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The Board of Grain Commissioners FOR CANADA

DEPARTMENT OF TRADE AND COMMERCE

Rt. Hon. C. D. Howe, M.P., Minister

Wm. Frederick Bull, Deputy Minister



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GENERAL SCIENCES

Report for 1952

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Board of
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ANNUAL REPORT
for 1952

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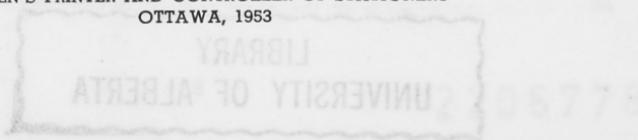
DEPARTMENT OF TRADE AND COMMERCE
OTTAWA, CANADA

Minister: Rt. Hon. C. D. Howe, M.P.

Deputy Minister: Wm. Frederick Bull

EDMOND CLOUTIER, C.M.G., O.A., D.S.P.
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Board of
Grievance Commissioners
for Causes
of
the
People

ANNUAL REPORT
FOR 1852.

DEPARTMENT OF TRADE AND COMMERCE
CANADA
OTTAWA,
July 1st, 1852.
M. T. Howe, C. L. Howe, J. A. M. Macdonald, P. H.

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WINNIPEG, Manitoba,
January 26, 1953.

The Right Honourable C. D. HOWE, M.P.,
Minister of Trade and Commerce,
Ottawa, Canada.

SIR,—We beg to submit herewith Annual Report of the Board of Grain Commissioners for Canada for the year 1952 in compliance with the provisions of Section 23 of The Canada Grain Act.

This report records information and statistics relating to grain handlings for the crop year August 1, 1951 to July 31, 1952, expenditures and revenue for the fiscal year April 1, 1951 to March 31, 1952, and summarizes the major activities of the Board and its branches for the 1952 calendar year.

Summaries are given in the first and main section, and additional information in greater detail, presented by various branches and supported by tables of data, is presented in appendices A to L to this section.

General

The 1951-52 crop year began with a substantial carry-over at July 31, 1951, to which has been added a near-record production of the major cereal crops seriously damaged by adverse weather conditions. Poor grades resulted and there was a large proportion of tough and damp grain.

By the end of the crop year July 31, 1952, 737.4 million bushels of wheat, barley, oats, rye and flax were marketed in the prairie provinces as against 564.6 million bushels the previous year. Grain inspection data show that 47.5% of all grains entered the tough and damp grades. Of the total quantity marketed, about 170 million bushels had to be dried artificially or by natural means, and considerably over 200 million bushels of all grain which had wintered under snow, had to be recovered by spring threshing.

On top of the difficulties arising from the handling of the large low grade grain crop during 1951-52, a record 1952 harvest under ideal conditions, produced about 1.5 billion bushels of top grade grains, of which it is estimated that about one billion would be available for marketing in the 1952-53 crop year.

The following table gives data on seeded acreage and crop production for the 1951-52 and 1952-53 crop years, and compares them with the average for the previous five years:

	Acreage			Production		
	Average 1947-51	1951	1952	Average 1947-51	1951	1952
million acres						
Wheat.....	25.6	25.3	26.0	422.8	552.7	687.9
Oats.....	11.4	11.9	11.1	372.7	488.2	466.8
Barley.....	6.9	7.8	8.5	166.7	245.2	291.3
Rye.....	1.3	1.1	1.3	15.9	17.6	24.6
Flaxseed.....	1.1	1.2	1.2	9.4	9.9	13.0
	46.3	47.3	48.1	987.5	1,313.6	1,483.6

The chief characteristics of the current year's Western Canadian marketed crop may be seen by the grade data. Primary inspections showed the following grades for wheat inspected during the first five months (August 1 to December 31) of the 1952-53 crop year, with final figures for the previous year shown in brackets: One Hard .04% (nil); One Northern 7.4% (.4%); Two Northern 26% (4.2%); Three Northern 19.7% (16.6%); Damp Wheat .08% (13.3%); and Tough Wheat 12.2% (35.2%).

Marketing for the first five months of the new crop year of the five principal grains was 394.5 million bushels as against 335.3 million bushels for the same period of the previous crop year.

Lakehead shipments for the 1952 season of navigation from April 3 to December 18 amounted to 450.8 million bushels, as compared with 317.2 million bushels for the 1951 season of navigation. Exports of the five principal grains during the 1951-52 crop year totalled 453.9 million bushels. The grain movement picture for the 1951-52 crop year is dealt with in greater detail in the Chief Statistician's report, Appendix H.

Overages—Country Elevators

Country elevator annual returns covering operations during the 1951-52 crop year submitted to the Board in accordance with the provisions of Section 10 of the Board's Regulation No. 17, have been examined and the results have been tabulated. Owing to the very congested storage conditions at country points resulting from the large crop, many elevators had to report incomplete weighovers and the results of their operations were estimated. A breakdown of the country elevator returns is given in the following table which shows the number of elevators reporting overages or shortages for the three crop years 1949-50, 1950-51 and 1951-52:

Elevators Reporting	1951-52	1950-51	1949-50
Shortages.....	569	897	1,797
Neither overages nor shortages.....	16	56	120*
Not completely weighed-over.....	3,016	1,974	—
Overages of less than .25%.....	828	1,475	2,440
Overages of .25% to .50%.....	455	587	456
Overages over .50%.....	163	78	123
Totals.....	5,047	5,067	4,936

* Includes some elevators not completely weighed-over.

In connection with excessive overages on operations during the previous year, the Board held five public hearings during 1952 at Saskatoon, Regina, Edmonton, Winnipeg and Brandon, and called ten country elevator agents to appear before the Board to show cause why the Board of Grain Commissioners should not refuse to licence any country elevator at which the persons concerned act as agents of the licensee.

Inspection of Grain

The major problem in grading the 1951 crop was the high percentage of tough and damp grain. Although early indications were that the three prairie provinces,

with the exception of a small area in Southern Saskatchewan, would harvest good crops of all cereal grains, continued rains and some snow caused grains to sprout and develop mildew, particularly in the Southern areas of the prairies. Inclement weather continued and gave farmers no alternative other than to thresh regardless of condition of the grain. As a result, almost half of the 1951 crop graded tough or damp.

The Board's Inspection Branch had to supervise grain drying operations at all points, and additional teams were also posted at Duluth-Superior and Buffalo to handle grain drying there.

The Board's Research Laboratory collaborated with the Inspection Branch in checking on the quality of dried wheat to ensure against damage to the milling and baking quality from improper drying.

Storage of Foreign Grain for Re-shipment from Canada

Under authority of Section 15 (*cc*) of The Canada Grain Act and Board's Regulation No. 24, the Board continued to restrict the entry of foreign grain into Canada for re-export, to give priority to the storage of Canadian grain.

During the 1952 calendar year, seven permits were issued to two terminal elevators at the Pacific Coast, and 2,522,868 bushels of foreign grain entered Canada under these permits. At December 31, 1952, only 146,789 bushels remained in store.

Weighing of Grain

In addition to the regular weighing service, scale inspection work and weigh-overs of grain stocks in terminal and Eastern elevators, the Board's weighing officials investigated complaints on outturn shortages in Lakehead cargo shipments with a view to determining liability for excessive outturn shortages.

During the 1952 navigation season, some improvement over last year and over the five-year average has been shown in the loss per thousand bushels of grain shipped from Lakehead ports and unloaded at Eastern elevators. Managers of certain Eastern elevators with somewhat poorer than average outturn records have been interviewed with a view to effecting improvements in this connection.

Assistant Commissioners

The Assistant Commissioners for the three prairie provinces investigated complaints submitted by producers and others concerning matters which come under the jurisdiction of the Board. During the 1952 calendar year, a total of 129 cases were investigated as against 118 for the previous year. Of the total number, 15 originated in Manitoba, 107 in Saskatchewan and 7 in Alberta. In addition, a large number of inquiries respecting operation of the car order book were received and dealt with. These originated chiefly in Saskatchewan.

The Assistant Commissioners make regular inspections of country elevators and during 1952, 2,727 elevators were inspected; 437 were in Manitoba, 776 in Saskatchewan and 1,514 in Alberta. Storage facilities such as hangars and rinks and other buildings covered by applications for supplementary storage or "off-site" licences made under Order in Council P.C. 5122 were inspected by these officials before issue of licences.

Country elevator agents who showed excessive overages from their operations were interviewed and informed of the action which would be taken by the Board in cases of continued accumulation of excessive overages by them.

Inspections and interviews were also carried out in connection with problems such as insect infestation and applications for out-of-turn cars under Section 68(2) of The Canada Grain Act. Other contacts with the public were made as occasion arose, to deal with matters concerning The Canada Grain Act and the Board's Regulations.

Car Order Book

Car order book operation was suspended on December 4, 1951, by order of the Transport Controller under the Emergency Powers Act, to speed up loading at country points of Canadian Wheat Board preference orders and shipments of damp grain. This suspension was lifted on July 15, 1952.

Complaints of irregularities in the use of the car order book received by the Board were investigated by Assistant Commissioners and any necessary corrective measures taken. A number of fines were collected for breaches of the Act or of the Board's Regulations.

Supplementary Storage

In order to relieve the grain storage and transportation situation, Order in Council P.C. 5122 of September 26, 1951, authorized the Board to permit the use by country elevator licensees, of suitable supplementary "off-site" storage space for warehousing of wheat under regulations of the Board. With the 1952 record harvest and storage problems arising from it, authority for supplementary storage was continued by Order in Council P.C. 4116 of September 24, 1952.

The Board continued to issue licences for warehouses meeting certain structural specifications which were inspected and approved by Assistant Commissioners. At December 31, 1952, there were 58 buildings licensed for supplementary storage with a total capacity of 2,006,850 bushels.

Shipping Permit No. 100

Special shipping authority designated as Permit No. 100 which was put into effect by the Board on January 22, 1951, to facilitate shipment of damp grain and subsequently suspended, was again introduced on November 22, 1951, to ensure priority of shipment of damp grain to terminals and other elevators for drying.

During the period, November 28, 1951, to the end of the crop year July 31, 1952, there were 17,827 carlots of damp grain shipped under Permit No. 100. Transportation agencies and elevator companies co-operated to the full during 1951-52 in handling the tough and damp crop and losses through spoilage were negligible.

Grain Drying

Record quantities of grain were dried under supervision of the Board's officials during the 1951-52 crop year. A total of 122·5 million bushels of tough and damp wheat, oats, barley, rye and flax were dried artificially, and in addition, 46·3 million bushels were dried by natural means. Following are the amounts of the five principal grains dried at different points:

Point	Artificial	Natural
	millions of bushels	
Lakehead.....	70.7	28.5
Pacific.....	26.4	16.2
Interior.....	9.5	1.5
Duluth-Superior and Buffalo.....	14.4	nil
Others.....	1.5	0.1

In addition to the above, extensive drying operations were carried out on farms and at country points. In all operations, the Inspection Branch and the Board's Research Laboratory collaborated in supervising and controlling the operations to prevent possible damage to quality through improper drying. More detailed data on drying are presented in Table H-16 of the Chief Statistician's Report, Appendix H.

Elevator Charges

Representations were made to the Board by members of the grain trade at public meetings held in Toronto, Vancouver and Winnipeg in June and July, 1952, to consider maximum grain handling tariffs for the 1952-53 crop year.

Submissions were reviewed by the Board and effective August 1, 1952, some changes in the maximum tariffs were made. Increase for elevation to trucks was granted Eastern elevators to establish a uniform ceiling of 3/4 c. per bushel for Georgian Bay and St. Lawrence ports. Allowance for invisible loss and shrinkage on grain trucked to country and terminal elevators was reduced from three-quarters of one per cent (3/4%) to one-half per cent (1/2%) on tough grades, and from one per cent (1%) to one-half per cent (1/2%) on damp grain. Maximum tariff schedules for Churchill were brought into line with those for Lakehead and Winnipeg terminals.

Effective October 1, 1952, a separate tariff schedule was re-established for Churchill. Storage rates were adjusted to conform with seasonal shipping conditions of the port.

A maximum storage rate for Churchill of one-thirtieth of one cent (1/30c.) per bushel per day after the first ten days from August 1 to October 1 of the crop year became effective; one-fiftieth of one cent (1/50c.) per bushel per day was fixed as the storage rate for the remainder of the crop year from October 9 to July 31. However, on grain in store at Churchill on October 9 of any year or taken into store between October 9 and November 30 of the same year, the storage charge up to August 31 of the following year was fixed at three cents (3c.) per bushel.

Regulations of the Board

On July 22, 1952, the Board amended effective August 1, 1952, the Regulations made under authority of The Canada Grain Act by the following re-enactment:

Regulation No. 16—Fees

No. 18—Procedure, Country Elevators

No. 20—Maximum Tariff of Charges—Eastern Elevators

No. 21—Maximum Tariff of Charges and Shrinkage Allowances—
Country Elevators

No. 22—Maximum Tariff of Charges—Terminal Elevators

Regulation No. 18 was further amended effective August 1, 1952, by specifying an alternative sieve required for use by country elevator agents in determining dockage in flaxseed.

An amendment to Regulation No. 1 was put into effect October 15, 1952, in order to facilitate the handling of grain documents. This amendment extended the time limit for the submission of warehouse receipts to the Registrar for cancellation after shipment of grain.

As noted in the section above, the Board adjusted Regulation No. 22 effective October 1, 1952, to provide a separate maximum tariff schedule for Churchill graduated according to the navigation season.

Amendments to Regulations Nos. 11, 12 and 13 effective October 31, 1952, extended the privilege granted to Atlantic elevators to ship grain in store when required for immediate delivery to ocean steamers against orders for grain in transit from the Lakehead. These amendments were introduced to effect the maximum discharge of grain at Atlantic seaboard during the winter months.

Lake Freight Rates

No changes were made during 1952 in the maximum rates for carrying grain by lake and river navigation. The maximum rates authorized by the Board's Order No. 19 of February 5, 1951, remained in effect during 1952.

Audit of Stocks—Terminal and Eastern Elevators

In accordance with the provisions of Sections 138 and 138A of The Canada Grain Act, 38 terminals and 19 Eastern elevators were weighed over during the 1951-52 crop year. Under authority of Order in Council P.C. 5122 of September 26, 1951, the Board deferred weighovers of ten terminals and seven Eastern elevators, as weighovers of terminals with large stocks in store would have unduly slowed down grain movement.

At two terminal elevators at the Lakehead, weighovers disclosed excessive overages due the Crown in the value of \$167.17 which amount was received by the Board.

Canadian Government Elevators

The volume of grain handled by the licensed public terminal elevators operated by the Board during 1951-52 crop year showed an increase of 60 per cent over the previous year. This was due to a very large extent, to the operation of the Prince Rupert Elevator. Grain receipts at all elevators totalled 21 million bushels.

Approximately 11 million bushels of grain were dried at interior terminals and about one million at Prince Rupert.

The Port Arthur Elevator continues to be operated by the McCabe Grain Company Limited under lease which expires July 31, 1954.

The Canadian Government Elevators showed a surplus of revenue over operating expenditure in the amount of \$815,337.88 for the fiscal year ended March 31, 1952, compared with a surplus of \$134,968.92 for the previous year.

More detailed information respecting the operation of the Canadian Government Elevators may be found in Appendix J to this report.

Committees on Grain Standards

The Committees on Grain Standards for the crop year 1952-53 were constituted by the Board in accordance with the provisions of Section 25 of The Canada Grain Act. List of personnel of the Committees may be found in Appendix B to this report.

The Western Committee was convened in Winnipeg on October 3 and 31, 1952, and the Eastern Committee met in Toronto on August 15 and November 14, 1952, to select and settle standard samples in accordance with Sections 27 and 29 of The Canada Grain Act.

Wheat Bonus

Wheat bonus certificates in the amount of seven dollars and sixty-five cents (\$7.65) were redeemed during 1952, and certificates outstanding as at December 31, 1952, amounted to \$7,738.18.

Prairie Farm Assistance Act

The Board continued to collect the one per cent levy on the purchase price of grain marketed in the three prairie provinces. Collections during the 1951-52 crop year totalled slightly less than nine million dollars. Since August 1, 1939, the date on which this assistance program was first introduced, to July 31, 1952, total moneys collected by the Board amounted to 64.3 million dollars. Further data in this connection may be found in Appendix D, Tables D-2 and D-3.

Personnel and Organization

There have been a number of changes among senior staff in the course of re-organization during 1952.

At Eastern Inspection offices, Mr. H. J. K. Schofield, Grain Inspector, was transferred from Chatham to Toronto to replace Mr. E. H. Alexander, who took charge of the Chatham Inspection office on the transfer to Winnipeg of Mr. Q. C. Moffat, previously in charge at Chatham.

Mr. A. E. Jacobson, previously Superintendent of the Canadian Government Elevator at Moose Jaw, has been appointed Assistant to the General Manager, and has taken up his duties in this capacity at Winnipeg.

The Board have arranged for suitable accommodation in the Grain Exchange Building at Winnipeg, with a view to transferring the offices of the Statistics Branch and the Head Office of the Canadian Government Elevators from Fort William to Winnipeg. This plan is made to effect a better co-ordination of work of the various departments by organizing and consolidating the different branches in one central location. There now remains only the Chief Weighmaster's headquarters, which is not situated in Winnipeg with the other branches.

Transport Controller

Commissioner R. W. Milner who was appointed Transport Controller on August 29, 1951, under Order in Council P.C. 4558 has continued to serve in this position with the Department of Transport during 1952, on a loan basis. Assistant Commissioner John Rayner has continued to act as Winnipeg Representative of the Transport Controller in addition to his regular duties.

Expenditure and Revenue

Total expenditure covering operations of the Board for the fiscal year 1951-52, exclusive of the Canadian Government Elevators, amounted to \$2,850,717.97 compared with \$2,474,015.56 for the previous fiscal year. This represents an increase of 15 per cent resulting chiefly from much heavier grain handlings and increased salary rates.

There were very substantial increases in revenue collected by the Board in 1951-52. Revenue totalled \$2,958,287.07 which was 56 per cent more than the collections of the previous year recorded at \$1,898,357.93. A summary of the Board's Revenue and Expenditure for 1951-52 fiscal year appears in Appendix K.

Expenditures for the nine months of 1952-53 fiscal year to December 31 totalled \$2,517,499.32 as against \$2,047,574.70 for a comparable period during the previous fiscal year. Revenue for the same period amounted to \$2,480,101.11 as compared to \$2,438,560.91 for the previous year.

Respectfully submitted,

D. G. MCKENZIE,

Chief Commissioner.

J. VALLANCE,

Commissioner.

Audit of Expenditure and Revenue
Personnel and Operations

The Board has the pleasure to advise that the audit of The Canadian Wheat Board for the fiscal year 1951-52 has been completed and the audit report is now available. The audit report is dated December 31, 1952, and is signed by Mr. J. Vallance, Auditor, and Mr. D. G. McKenzie, Chief Commissioner. The audit report shows that the financial statements of the Board for the fiscal year 1951-52 are in accordance with generally accepted accounting principles and that the financial statements fairly represent the financial position of the Board. The audit report also states that the financial statements are in accordance with the Canadian Wheat Board Act and the Canadian Income Tax Act.

The Board wishes to thank the auditor for his services and to express its appreciation for the manner in which he conducted the audit. The Board also wishes to thank the Canadian Auditor General for his assistance in the preparation of the audit report.

APPENDIX A

Report of the Secretary

WINNIPEG, Manitoba,
January 18, 1953.

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS,—

I have the honour to submit the following report summarizing some of the chief functions carried out by the Executive Offices of the Board during 1952.

The report is presented under six headings; (a) Complaints, (b) Prosecutions, (c) Defaults, (d) Cars out-of-turn, (e) Receipt of wheat into Country Elevators from railway cars, (f) Grain Loading Platforms, and (g) Results of Annual Weighovers of Terminal and Eastern Elevators.

Information on licences issued, and collections of the one per centum levy under the Prairie Farm Assistance Act, which were previously reported in this section, may be found in the Report of the Licence and Bonding Branch, Appendix "D".

Results of annual weighovers at private, public, semi-public terminals, and at Eastern Elevators are given in Tables A-1 to A-6 of this Appendix.

Yours very truly,

A. T. CALDER,
Secretary.

(a) Complaints

Complaints dealt with by the Board fall into three classes: those relating to grain handling at country elevators, miscellaneous complaints in connection with grain handling and shipment to Eastern Canada, and those concerning quality or weight on export shipments. In addition, many complaints were investigated and adjustments effected in connection with irregularities in car order book procedure at country shipping points.

Country Complaints

During the year ended December, 1952, the Board investigated 141 country complaints as against 121 in 1951. They dealt with handling of grain at country elevators, shipment to terminals and other operations of licensees under The Canada Grain Act. There were 15 from Manitoba, 107 from Saskatchewan, 7 from Alberta and 12 carried over from the previous year.

Disposition was as follows:

No grounds for complaint.....	33
Settlement effected.....	50
Outside jurisdiction of Board.....	4
Licensee fined.....	14
Licensee warned.....	14
Settlement ordered.....	1
Complaint withdrawn.....	2
Not yet disposed of.....	23
	—
	141

Miscellaneous Complaints

In 1952, the Board received and dealt with 21 complaints in respect to handling of grain at terminal elevators and shipment to Eastern Canada; in addition there were three unsettled complaints from 1951. This compares with 56 complaints handled during the previous year.

They were disposed of as follows:

	General	Shortage
No evidence.....	—	14
Settlement effected.....	1	5
Not yet disposed of.....	—	4
	—	—
		24

Export Shipments

Fifteen (15) complaints in respect to overseas shipments were received during the year, and together with one carried over from 1951, were disposed of as follows:

	Quality	Shortage
No evidence.....	—	7
No grounds for complaint.....	4	—
Settlement effected.....	—	2
No yet disposed of.....	—	3
	—	—
		16

(b) Prosecutions

Thirteen penalties for breaches of The Canada Grain Act, Board's Regulations, and Orders of the Board amounting to \$1,300.00 were levied and collected.

Number of Penalties	Contravention	Amount
1	Section 125, The Canada Grain Act.....	\$ 500.00
1	Section 72, The Canada Grain Act.....	50.00
10	Board Regulation No. 18.....	500.00
1	Board Order of September 6, 1952.....	250.00

(c) Defaults

There were no defaults by licensees during 1952 and no action was necessary in this connection.

(d) Cars Out of Turn

During the 1952 calendar year, 702 out of turn cars were authorized by the Board under the provisions of Section 68 (2) of The Canada Grain Act for shipment of grain from country elevators as shown below. Figures for the previous year are given for comparison purposes.

Purpose	1951	1952
Grain out of condition.....	106	410
Elevators in danger of collapse.....	100	267
Elevators in danger of being flooded.....	53	—
Seed grain.....	5	3
Others.....	—	22
Total.....	264	702

(e) Receipt of Wheat into Country Elevators from Railway Cars

Under provisions of Section 107 (a) of The Canada Grain Act, the Board, during 1952, authorized receipt of wheat from railway cars into country elevators in a total of 911 carlots.

(f) Grain Loading Platforms

During the year 1952, no applications for the building of grain-loading platforms or the enlargement of existing ones were made to the Board. Grain-loading platforms in Western Canada as at December 1, 1952, were as follows:

Province	Number of Platforms	Car Capacity
Manitoba.....	558	1,268
Saskatchewan.....	1,238	2,585
Alberta.....	721	1,428
British Columbia.....	35	83
Ontario.....	21	43
Total as at December 1, 1952.....	2,573	5,407

(g) Results of Annual Weigh-Overs

The following tables (A-1 to A-6), record overages or shortages, and excess or deficiency calculated in accordance with Section 138 of The Canada Grain Act, at Public Terminal Elevators; the excesses or deficiencies at Semi-Public Terminal Elevators; results of annual weigh-over of Private Terminal Elevators, and the summary of results of calculations, in accordance with Section 138 (A) of The Canada Grain Act, of overages and shortages in Western Canadian and foreign grain as revealed in the annual weigh-over of grain stocks in store in Eastern elevators.

Table A-1.—Overages and Shortages Disclosed by Weigh-overs of

Date of Weigh-over	Licensee	Wheat		Oats		Mixed Feed Oats	
		Over- age bu.	Short- age bu.	Over- age bu.	Short- age bu.	Over- age bu.	Short- age bu.
1952	CANADIAN GOVERNMENT ELEVATORS						
June 25-July 2..	Calgary.....	—	1,948-35	—	474-24	—	—
July 7-10.....	Edmonton.....	1,546-35	—	531-31	—	—	—
July 3-4.....	Lethbridge.....	82-40	—	—	—	—	—
July 14-25.....	Moose Jaw.....	—	17,785-10	—	—	—	—
July 28-Aug. 15.	Saskatoon.....	—	30,851-50	85-10	—	1,483-28	—
June 30.....	Prince Rupert.....	2,365-00	—	—	—	—	—
	Totals.....	3,994-15	50,585-35	617-07	474-24	1,483-28	—
	Net Totals— Overages.....	—	—	142-17	—	1,483-28	—
	Shortages.....	—	46,591-20	—	—	—	—

¹ Includes Sample Grain.**Table A-2.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed by**

Date of Weigh-over	Licensee	Excess		
		1 Hard bu.	1 Northern bu.	2 Northern bu.
1952	CANADIAN GOVERNMENT ELEVATORS			
June 25-July 2.....	Calgary.....	—	—	—
July 7-10.....	Edmonton.....	—	—	—
July 3-4.....	Lethbridge.....	—	—	—
July 14-25.....	Moose Jaw.....	—	—	—
July 28-Aug. 15.....	Saskatoon.....	—	—	—
June 30.....	Prince Rupert.....	—	—	—

Grain Stored in PUBLIC TERMINAL Elevators, Crop Year 1951-52

Barley		Rye		Flaxseed		Corn		United States Corn		Mixed Grain ¹	
Over-age	Short-age	Over-age	Short-age	Over-age	Short-age	Over-age	Short-age	Over-age	Short-age	Over-age	Short-age
bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	lb.	lb.
—	499-28	—	30-10	—	—	—	—	—	—	—	—
318-01	—	—	33-32	11-44	—	—	63-32	—	15-52	—	—
—	31-32	—	—	—	—	—	—	—	—	73,270	—
—	—	—	—	—	—	—	—	—	—	—	—
8-06	—	—	—	98-15	—	—	—	—	—	—	—
3,408-06	—	—	—	—	—	—	—	—	—	35,400	—
3,734-13	531-12	—	63-42	110-03	—	—	63-32	—	15-52	108,670	—
3,203-01	—	—	—	110-03	—	—	—	—	—	108,670	—
—	—	—	63-42	—	—	—	63-32	—	15-52	—	—

Weigh-overs of Grain Stored in PUBLIC TERMINAL Elevators, Crop Year 1951-52

Excess			Deficiency					
3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
—	—	—	—	—	40-30	885-40	—	—
—	—	—	—	—	138-10	725-40	—	—
—	—	—	—	—	3-30	148-10	—	—
—	—	—	—	3-50	3-40	19-10	—	—
—	—	—	—	—	8-30	8-10	—	—
2,491-10	—	—	—	—	35-50	—	—	—

**Table A-3.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed
Fort William-Port Arthur,**

Date of Weigh-over	Licensee	Excess		
		1 Hard	1 Northern	2 Northern
	Canadian Consolidated Grain Co.—	bu.	bu.	bu.
Sept. 19-25.....	Empire.....	—	19-00	—
Dec. 15-21.....	Thunder Bay.....	—	—	2,385-00
	Federal Grain Ltd.—			
Dec. 12-18.....	Northwestern.....	—	—	—
Dec. 18-27.....	Stewart.....	—	—	—
	Fort William Elevator Co. Ltd.—			
Sept. 11-17.....	Elevator "E".....	—	—	—
Sept. 25-Oct. 1.....	Elevator "F".....	—	—	—
Dec. 18-21.....	Lakehead Terminals Ltd.....	—	9-10	1,891-30
	Manitoba Pool Elevators—			
April 15-17.....	Terminal No. 1.....	—	—	—
July 28-30.....	Terminal No. 2.....	—	—	—
July 2-5.....	Terminal No. 3.....	—	—	—
July 11-15.....	Terminal No. 6.....	—	—	—
April 28-30.....	Terminal No. 9.....	—	—	—
	McCabe Grain Co. Ltd.—			
Dec. 10-14.....	Dominion Government Elevator.....	—	—	—
	National Grain Co. Ltd.—			
Dec. 17-27.....	G.T.P.....	—	—	—
	Ogilvie Flour Mills Co. Ltd.....	—	—	—
June 23-26.....	N. M. Paterson & Co.....	—	—	—
	Saskatchewan Pool Terminals Ltd.—			
Dec. 21-Jan. 2.....	Terminal No. 4 and 4B.....	—	—	—
July 14-17.....	Terminal No. 5.....	—	—	-40
Mar. 10-21.....	Terminal No. 7.....	—	—	—
July 21-29.....	Searle Grain Co.....	—	—	—
July 31-Aug. 5.....	Superior Elevator Co. Ltd. (P and H).....	—	—	611-30
Aug. 20-29.....	United Grain Growers Terminal Ltd.....	—	—	—
Sept. 21-26.....	Western Grain Co. Ltd.....	—	—	—

**Table A-4.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed
Pacific Seaboard**

Date of Weigh-over	Licensee	Excess		
		1 Hard	1 Northern	2 Northern
	VANCOUVER-NEW WESTMINSTER—	bu.	bu.	bu.
Sept. 17-21, 1951.....	Alberta Wheat Pool No. 1.....	—	—	—
July 25-31, 1952.....	Midland Pacific Terminal.....	—	—	—
Sept. 11-13, 1951.....	Pacific Elevators Ltd.....	—	—	—
May 1-12, 1952.....	United Grain Growers.....	—	—	—
Nov. 19-22, 1951.....	Kerr-Gifford & Co., Inc., No. 2.....	—	—	—

by Weigh-overs of Grain Stored in SEMI-PUBLIC TERMINAL Elevators at Crop Year 1951-52

Excess			Deficiency					
3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
—	—	—	—	—	134-50	222-00	—	—
—	—	—	—	7-50	—	11,024-10	1,471-40	—
—	—	—	—	177-50	1,671-20	5,155-50	—	1,154-30
—	—	—	—	1,653-30	7,447-30	3,816-10	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	58-10	616-40	953-40	—	2-00
—	—	—	—	—	—	703-40	—	—
—	—	—	—	137-30	992-00	1,963-40	3-40	64-40
—	—	—	—	38-30	723-10	2,088-10	—	—
—	—	—	—	—	39-50	27-40	—	—
—	—	—	—	479-50	11,191-10	20,896-00	—	—
—	—	—	—	223-50	1,374-30	3,685-50	—	3-30
—	—	—	—	63-30	2,239-20	5,994-10	—	—
—	—	—	—	2,702-00	14,240-20	285-30	—	41-10
—	—	—	—	45-40	3,544-40	2,192-30	—	—
—	—	—	—	11-30	618-50	180-30	—	—
—	—	—	—	2,812-40	8,143-10	12,923-20	—	28-40
—	—	—	—	—	33-30	62-40	—	1,871-50
—	—	—	—	1,634-10	6,097-20	4,931-00	3-50	47-20
—	—	—	—	3,674-00	4,299-00	12,632-50	—	1,932-20
—	—	—	—	499-30	—	1,050-40	—	—
—	—	—	—	624-50	7,043-00	4,915-20	8-20	405-30
—	—	1,571-50	—	34-20	135-00	685-30	2-30	—

by Weigh-overs of Grain Stored in SEMI-PUBLIC TERMINAL Elevators at Crop Year 1951-52

Excess			Deficiency					
3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
—	—	—	—	6,869-10	13,146-50	12,317-30	26-10	54-50
—	—	20-20	—	2,119-30	2,318-40	5,591-30	—	—
—	—	—	—	6,845-20	10,731-00	9,121-50	—	376-40
—	—	—	—	809-50	1,348-40	31,004-20	—	589-30
824-00	—	—	—	295-00	2,456-10	—	—	62-40

Table A-5.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weigh-overs of Grain Stored in PRIVATE TERMINAL Elevators, Crop Year 1951-52.

Date of Weigh-over	Licensee	Grade of Wheat	Excess	Deficiency
1952			bu.	bu.
June 27	Canada Malting Co. Ltd. No. 1 Calgary.....	No. 1 Hard..... No. 1 Northern..... No. 2 Northern..... No. 3 Northern..... No. 1 C.W. Garnet..... No. 2 C.W. Garnet.....	— — — — — —	— — — — — 44-50
July 8	Canada Malting Co. Ltd. No. 2 Calgary.....			
July 3	Canada Malting Co. Ltd. No. 3 Calgary.....			
June 4	Canada Malting Co. Ltd. Winnipeg.....			
June 11	Dominion Malting Co. Ltd. S. Transcona.....			
July 2	National Grain Co. Ltd. (D. & S.) Fort William.....			
			No wheat of the above grades was handled or in Store in these elevators.	

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Western Canadian and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1951-52

Date of Weigh-over	Licensee	Kind of Grain	Overage	Shortage
1952			bu.	bu.
July 23-July 29	COLLINGWOOD— Collingwood Terminals Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Screenings..... Origin Unknown Screenings.....	— 680-05 139-31 — *223,410 —	5,469-50 — — 528-36 — *227,940
Apr. 7-Apr. 17	GODERICH— Goderich Elev. & Transit Co. Ltd.	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Mixed Grain..... Western Canadian Screenings..... U.S.A. Corn.....	— — — — 19-17 — — —	3,307-50 5,903-03 1,823-07 360-52 — 1-06 *4,250 312-37
Apr. 15	Purity Flour Mills Co. Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley.....	— — —	1,654-10 1-30 130-24
Mar. 24-Apr. 4	HUMBERSTONE— Robin Hood Flour Mills.....	Western Canadian Wheat..... Western Canadian Barley..... Western Canadian Flaxseed.....	— — —	7,261-10 31-00 39-06
Jan. 15-Jan. 18	KINGSTON— Canada Steamship Lines Elev...	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... U.S.A. Flaxseed..... U.S.A. Corn.....	— — — — — — —	11,269-10 139-16 1,844-29 128-44 594-55 8-36 75-34
Feb. 29-Mar. 13	MIDLAND— Aberdeen Elevator Co. Ltd.....	Western Canadian Wheat..... Western Canadian Barley..... U.S.A. Barley.....	— — —	1,772-00 37-31 516-22

* Lbs.

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Western Canadian and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1951-52
—Continued

Date of Weigh-over	Licensee	Kind of Grain	Overage	Shortage
1952			bu.	bu.
Mar. 24-	Canadian National Rlys. Elev.	Western Canadian Wheat.....	—	6,414-30
Mar. 28		Western Canadian Oats.....	—	268-07
		Western Canadian Barley.....	—	282-43
		Western Canadian Rye.....	—	275-31
Apr. 10-	Canada Steamship Lines	Western Canadian Wheat.....	—	1,951-30
Apr. 19	Elevator.	Western Canadian Oats.....	—	773-02
		Western Canadian Barley.....	—	429-26
		Western Canadian Rye.....	—	95-10
Mar. 14-	Midland Simcoe Elevator.....	Western Canadian Wheat.....	—	3,121-50
Mar. 21		Western Canadian Oats.....	—	1,823-27
		Western Canadian Barley.....	—	1,084-12
		Western Canadian Rye.....	—	89-41
Apr. 4-	OWEN SOUND—	Western Canadian Wheat.....	—	6,241-50
Apr. 9	Great Lakes Elev. Co. Ltd.....	Western Canadian Oats.....	—	3,130-16
		Western Canadian Barley.....	—	1,437-41
		Western Canadian Rye.....	—	129-10
		Western Canadian Screenings.....	—	*12,850
Mar. 8-	PORT COLBORNE—	Western Canadian Wheat.....	—	11,539-00
Mar. 10	National Harbours Board	Western Canadian Oats.....	—	557-33
	Elevator.	Western Canadian Barley.....	—	9,595-10
		Western Canadian Rye.....	—	1,118-33
		Western Canadian Flaxseed.....	—	118-30
		U.S.A. Wheat.....	—	2,338-10
		U.S.A. Corn.....	—	378-54
		U.S.A. Soybeans.....	—	740-20
Mar. 11-	Maple Leaf Milling Co. Ltd.....	Western Canadian Wheat.....	—	5,986-50
Mar. 21		Western Canadian Oats.....	—	254-18
		Western Canadian Oats Groats.....	—	49-00
		Western Canadian Barley.....	—	70-45
		Western Canadian Rye.....	—	54-31
		Western Canadian Buckwheat.....	—	1,712-35
		Sample Canada Buckwheat.....	5,895-00	—
		U.S.A. Corn.....	—	21-28
		U.S.A. Soybeans.....	—	106-49
Mar. 31-	PORT McNICOLL—	Western Canadian Wheat.....	—	8,895-20
Apr. 2	Canadian Pacific Railway	Western Canadian Oats.....	—	1,527-02
	Elevator.	Western Canadian Barley.....	—	847-22
		Western Canadian Rye.....	—	156-45
		U.S.A. Wheat.....	—	720-50
		U.S.A. Corn.....	—	161-49
Feb. 28-	PRESCOTT—	Western Canadian Wheat.....	—	1,389-10
Mar. 6	National Harbours Board	Western Canadian Oats.....	—	479-05
	Elevator.	Western Canadian Barley.....	135-45	—
		Western Canadian Flaxseed.....	—	91-31
		Western Canadian Sample Grain.....	—	*21,780
		U.S.A. Wheat.....	—	347-20
		U.S.A. Rye.....	—	77-17
		U.S.A. Corn.....	—	1,622-18
		U.S.A. Soybeans.....	—	51-50
		Origin Unknown Screenings.....	—	*155
Apr. 21-	WALKERVILLE—	Western Canadian Wheat.....	—	911-40
Apr. 22	Hiram Walker & Sons Grain	Western Canadian Oats.....	—	224-19
	Corp. Ltd.	Western Canadian Barley.....	—	14-00
		Western Canadian Rye.....	—	8,162-31
		Western Canadian Screenings.....	*9,113	—
		U.S.A. Corn.....	—	11,537-11
		U.S.A. Screenings.....	—	*52
		Origin Unknown Screenings.....	—	*1,420

* Lbs.

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Western Canadian and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1951-52
—Concluded

* Lbs.

APPENDIX B

Committee on Western Grain Standards, 1952

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 R. W. Milner, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 Dr. J. A. Anderson, Chief Chemist, Board of Grain Commissioners
 J. Forsyth, Chairman, Grain Appeal Tribunal, Winnipeg
 C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton
 P. J. Marples, Chairman, Grain Appeal Tribunal, Calgary
 Dr. C. H. Goulden, Dominion Cerealist
 W. A. Hastings, representing the millers of wheat flour
 George Bennett.....} Representing grain growers in Alberta
 W. H. Fairfield.....}
 Uri Powell.....}
 B. S. Plumer.....}
 A. F. Sproule.....}
 A. P. Gleave.....}
 J. Wellbelove.....} Representing grain growers in Saskatchewan
 L. L. Gray.....}
 N. W. Strelloff.....}
 W. J. Parker.....}
 R. Barrett.....} Representing grain growers in Manitoba
 Ray Mitchell.....}
 G. Constable, representing grain growers in British Columbia
 Nelson Young, representing Plant Products Division, Department of Agriculture

Committee on Eastern Grain Standards, 1952

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 R. W. Milner, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 N. Clare Wight, representing Montreal Board of Trade
 E. D. Sullivan, representing Toronto Board of Trade
 Guy D. Robinson, representing exporters of grain
 F. H. Dunsford.....} Representing millers of wheat in the Eastern Division
 H. Norman Davis.....}
 Hugh Bailey.....} Representing grain growers in Ontario
 W. A. Amos.....}
 Wm. Wallace.....}
 E. B. Paterson.....} Additional—representing growers of corn
 John W. Ham.....}

Meetings held: Western Committee, Winnipeg, October 3, 1952 and October 31, 1952
 Eastern Committee, Toronto, August 15, 1952 and November 14,
 1952

APPENDIX C**Grain Appeal Tribunals**

<i>Winnipeg</i>	<i>Calgary</i>	<i>Edmonton</i>
J. Forsyth, Chairman	P. J. Marples, Chairman	C. R. Manahan, Chairman
Grant Hammond	T. F. Allison	J. F. Schofield
W. E. McLeod	J. Tranter	M. G. Wood
A. F. Moore	W. M. Pringle	J. R. MacRae
James Gregory	W. G. McLeod	T. Stickney
S. C. Swanton	E. J. Munson	J. A. Kyle
J. F. Lazenby	G. C. Arbuthnott	H. A. Haggarty
D. K. Mills	A. Watson	C. E. Sage
H. R. Ballance	G. R. Deeton	Ross Saunders
J. A. Wittebolle (Acting Secretary)		D. K. McKay (Secretary)
<i>Toronto</i>		
John W. Ham		P. J. Smith (Chairman)
C. H. Coatsworth		A. W. Brown
R. C. Pratt		T. B. Earle
C. W. Heimbecker		J. A. Byrne
W. A. Robertson		J. M. Vittie
E. D. Sullivan		G. D. Robinson
K. F. Wadsworth		Helen M. Deuel (Secretary)
J. C. Noseworthy (Secretary)		
<i>Montreal</i>		

Summary of appeals for the crop year ended July 31, 1952

	Appeals Held	Disposition		
		Raised	Lowered	Unchanged
Winnipeg.....	603	48	Nil	555
Calgary.....	797	127	Nil	670
Edmonton.....	633	93	1	539
Toronto.....	Nil	Nil	Nil	Nil
Montreal.....	Nil	Nil	Nil	Nil
	2,033	268	1	1,764

Source: Canadian Wheat Board, "Appeals for the Crop Year Ended July 31, 1952," Ottawa, Ontario, August 15, 1952, p. 1.

APPENDIX D

Report of Licence and Bonding Branch

WINNIPEG, Manitoba,
December 15, 1952.

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS.—I have the honour to submit the following report of the Licence and Bonding Branch covering operations of this Branch during the crop year August 1, 1951 to July 31, 1952, and for the period August 1 to December 1, 1952.

Licences and Bonds

In the crop year under review, the Licence and Bonding Office received 5,582 applications and issued 5,558 licences to operate under provisions of The Canada Grain Act. These applications came from 132 firms and individuals. Sixteen (16) licences were transferred and eight (8) applications withdrawn.

Following is a summary of applications received and licences issued listed by kind of licence:

Kind	Applications		Licences	
	Received	Withdrawn	Issued	Transferred
Public Country Elevators.....	5,376	5	5,371	14
Private Country Elevators.....	10	—	10	—
Mill Elevators.....	38	—	38	—
Public Terminal Elevators.....	6	—	6	—
Semi-Public Terminal Elevators.....	36	—	36	1
Private Terminal Elevators.....	7	—	7	—
Eastern Elevators.....	29	—	29	1
Track Buyers.....	22	—	22	—
Commission Merchants.....	28	—	28	—
Grain Dealers.....	14	3	11	—
Transfers.....	16	—	—	—
	5,582	8	5,558	16

In addition to the above-mentioned applications for regular elevator licences, the Board also received 49 applications for authority to operate off-site buildings as "Special Annexes" under authority of Order in Council P.C. 5122. Seven of these applications were rejected or withdrawn and forty-two authorities to operate were granted. No licence fee was required for licences to operate supplementary storage buildings but the applicants were required to deposit with the Board surety guarantee bonds to cover their operations at such buildings.

The total licensed storage capacity as at the end of the crop year on July 31, 1952, with 5,483 elevator licences in force, was 533,257,070 bushels. Elevators proper and permanent annexes comprised 460,334,820 bushels, temporary annexes 72,581,150 bushels and special annexes 341,100 bushels.

Twelve licences were cancelled by the Board during the crop year 1951-52 for the following reasons:

Elevators demolished.....	1
Elevators destroyed by fire.....	1
Elevator licences applied for in error.....	3
Elevators converted into permanent annexes.....	5
Elevator closed.....	1
Company ceased business.....	1

Six licences were suspended by the Board for varying periods during the crop year, due to repairs being necessary at licensed country elevators. Two were reinstated in due course after the buildings had been repaired and four were still in suspension at the close of the crop year.

Licence fees collected during the crop year 1951-52 amounted to \$29,406.; of this amount, \$40. was refunded to applicants who withdrew their applications for licences and \$12. on account of licences cancelled as from date of issue.

The net revenue and operating expenses calculated for the fiscal year April 1, 1951 to March 31, 1952, rather than for the crop year were as follows:

Revenue from licence fees.....	\$29,337.00
Operating expenses and salaries.....	22,982.02
Surplus.....	<u>\$6,354.98</u>

Guarantee bonds in the amount of \$29,389,886.50, executed by seventeen of the approved surety companies, were deposited with the Board as security under Section 79 of The Canada Grain Act to cover the operations of the licensees during the 1951-52 crop year. In addition, five licensees deposited negotiable Government bonds with a par value of \$25,500. in lieu of furnishing the usual forms of surety bonds.

During the first four months of the 1952-53 crop year, August 1 to December 1, 1952, 5,541 applications for licences of all classes were received and 5,524 licences were issued.

At December 1, 1952, there were 5,543 buildings classed as elevators under the provisions of The Canada Grain Act, with 5,513 in the Western Division and 30 in the Eastern Division, of which 5,467 were licensed. In addition, there were 54 buildings other than elevators, on and off-site, which were authorized for operation as special annexes.

The total licensed storage capacity as at December 1, 1952, was 539,289,860 bushels, permanent storage space amounting to 462,548,510 bushels, temporary 75,162,150 bushels and Special Annexes 1,579,200 bushels, an increase in licensed storage of 12,427,090 bushels since December 1, 1951.

Data on number and kind of licences and storage capacity for the past five years (1948-1952) are presented in Table D-1 of this appendix. Comparative figures given at five-year intervals since 1890 may be found on page 18 in the Board's Annual Report for 1951.

Further detailed information on elevators, licences, storage capacities, and other relative data may be found in a booklet entitled *List of Grain Elevators in the Western and Eastern Divisions** compiled by the Board of Grain Commissioners.

* Obtainable from The Queen's Printer, Ottawa.

Collection of One Per Centum Levy

The collection of the one per centum levy made under the provisions of the Prairie Farm Assistance Act for the crop year 1951-52, as recorded at this office, amounted to \$8,967,076.24 as compared with \$7,334,059.06 collected during the previous crop year. The total collections since the inception of the Act in August, 1939 to July 31, 1952, amount to \$64,356,488.71.

More detailed information is given in Tables D-2 and D-3 of this appendix.

The levy collected during the first three months of the new crop year from August 1 to November 1, 1952, is \$2,508,648.36.

Respectfully submitted,

C. F. SPITTLE,

Licensing Officer.

Table D-1.—Number and Kind of Licences Issued and Licensed Storage Capacity, as at December 1st Each Year for the Past Five Years

Kind of Licence	1952	1951	1950	1949	1948
	NUMBER OF LICENCES				
Public Country Elevator.....	5,341	5,354	5,309	5,076	5,273
Private Country Elevator.....	10	10	9	9	9
Mill Elevator.....	38	38	37	37	43
Public Terminal Elevator.....	6	6	6	6	6
Semi-Public Terminal Elevator.....	36	35	34	33	31
Private Terminal Elevator.....	7	7	8	7	7
Eastern Elevator.....	29	29	29	29	29
Track Buyer.....	21	22	25	25	26
Commission Merchant.....	27	28	32	31	32
Grain Dealer.....	9	11	12	13	11
Total.....	5,524	5,540	5,501	5,266	5,467
LICENSED CAPACITY					
thousands of bushels					
Public Country Elevator.....	306,484	290,504	278,416	263,753	264,675
Private Country Elevator.....	350	354	323	448	476
Mill Elevator.....	13,426	13,306	13,306	13,306	13,477
Public Terminal Elevator.....	18,350	18,350	18,350	18,350	18,350
Semi-Public Terminal Elevator.....	108,455	114,524	105,991	104,342	99,565
Private Terminal Elevator.....	7,295	7,295	7,330	7,180	7,180
Eastern Elevator.....	84,930	82,530	82,514	82,514	82,514
Total.....	539,290	526,863	506,230	489,893	486,237

Table D-2.—Amounts Collected and Grain Purchased under the One Per Centum Levy, Prairie Farm Assistance Act, 1939, for period August 1, 1951 to July 31, 1952

Province	Wheat	Oats	Barley	Rye	Total
	AMOUNTS COLLECTED				
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Manitoba.....	734,697 57	151,311 87	434,247 73	11,291 56	1,331,548 73
Saskatchewan.....	4,194,493 34	344,197 31	430,659 36	106,054 04	5,075,404 05
Alberta.....	1,831,881 59	212,618 34	458,023 33	62,483 48	2,560,006 74
Total.....	6,761,072 50	708,127 52	1,317,930 42	179,829 08	8,966,959 52
Amount not allocated to provinces.....					116 72
Total collections August 1, 1951 to July 31, 1952.....					8,967,076 24
GRAIN PURCHASED					
thousands of bushels					
Manitoba.....	45,317	24,827	37,382	697	108,223
Saskatchewan.....	279,197	62,952	43,653	6,627	392,429
Alberta.....	129,815	43,521	47,279	3,930	224,545
Total.....	454,329	131,300	128,314	11,254	725,197

Table D-3.—Summary of Collections of One Per Centum Levy under the Prairie Farm Assistance Act, since the inception of the Act to July 31, 1952, listed by Year and Province.

Crop Year	Manitoba	Saskatchewan	Alberta	Not Allocated	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
1939-40.....	333,453 13	1,344,208 23	743,121 61	724 40	2,421,507 37
1940-41.....	354,813 76	1,360,540 00	866,831 79	502 32	2,582,687 87
1941-42.....	339,969 87	711,869 33	407,642 45	272 05	1,459,753 70
1942-43.....	481,974 50	1,536,146 00	710,632 53	322 51	2,729,075 54
1943-44.....	779,490 76	2,743,544 09	1,191,300 92	371 01	4,714,706 78
1944-45.....	754,366 36	3,218,572 23	1,412,417 31	230 71	5,385,586 61
1945-46.....	575,408 69	1,977,735 42	873,082 60	131 69	3,426,358 40
1946-47.....	845,631 86	2,703,357 17	1,644,706 41	112 20	5,193,807 64
1947-48.....	764,744 37	2,727,187 90	1,624,237 42	148 51	5,116,318 20
1948-49.....	1,120,741 27	3,417,480 86	2,084,088 52	6,185 87	6,628,496 52
1949-50.....	1,355,660 07	4,525,628 79	2,515,568 28	197 64	8,397,054 78
1950-51.....	1,442,138 08	3,890,444 68	2,001,322 58	153 72	7,334,059 06
1951-52.....	1,331,548 73	5,075,404 05	2,560,006 74	116 72	8,967,076 24
Total.....	10,479,941 45	35,232,118 75	18,634,959 16	9,469 35	61,356,488 71

APPENDIX E

Report of the Registrar of Warehouse Receipts

WINNIPEG, Manitoba,
December 1, 1952.

Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

SIRS,—I have the honour of submitting the following report covering the work of the Registration Branch for the crop year ended July 31, 1952.

Due to the very large crop which was of very poor quality, the offices of this Branch at Winnipeg and Vancouver in the Western Division and at Montreal in the Eastern Division have completed one of the most difficult operational years in their history. Despite many hours of overtime worked by regular members of the staff, it was necessary to engage additional temporary staff at Winnipeg and Vancouver in order to maintain the registration service to the trade at its proper standard. All previous records set for the volume of various registration procedures were broken and new records established during the year under review.

The main factors contributing to the increased work in this Branch were the multiplicity of "Off Grades" of grain resulting from the 1951 low grade crop, and the fact that a large percentage of the crop contained excessive moisture and had to be dried by artificial or natural means to prevent spoilage. Well over 300 different grades of grain were handled at some of the terminal elevators situated at the Head of the Lakes during the crop year 1951-52, as compared to an average of about 150 grades handled during a normal year.

A considerable number of warehouse receipts were required to be registered and cancelled each day to conform to the various grade adjustments carried out by terminal elevator licensees to provide additional bin space for the numerous grades awaiting unload. The registration and cancellation of warehouse receipts and calculation and checking of drying computations by individual car-lot weights, resulting from the artificial drying of damp and tough grain as carried out in terminal and Eastern elevators, totalled over 106 million bushels while registration of warehouse receipts covering natural drying operations amounted to over 46 million bushels. The daily totals of warehouse receipts required to be split, consolidated or re-issued also showed substantial increases over those of previous crop years.

Statements which follow show the total registration and registration for cancellation of warehouse receipts for primary receipts and shipments in the Western Division and all warehouse receipts or transfer receipts for inward and outward handlings in the Eastern Division during the crop year 1951-52.

Respectfully submitted,

C. J. BROWNSCOMBE,
Registrar.

Table E-1.—Warehouse Receipt Registrations for Receipts and Shipments in the Western Division by Grain and Point, 1951-52 Crop Year and 10-Year Average (1941-42 to 1950-51).

Point	Grain	Crop Year 1951-52		10-Year Average	
		Registered	Registered for Cancellation	Registered	Registered for Cancellation
thousands of bushels					
WESTERN DIVISION—Winnipeg.....	Wheat.....	261,066	277,737	210,627	215,948
	Oats.....	98,584	103,821	63,134	64,727
	Barley.....	86,036	88,003	43,712	42,596
	Flax.....	5,713	5,112	6,737	6,652
	Rye.....	9,470	7,766	7,387	7,339
	Mixed Grain.....	1,034	388	871	576
	Corn.....	25	25	130	128
	Other Grains.....	29	28	33	31
Vancouver.....	Wheat.....	107,068	102,821	38,789	40,227
	Oats.....	4,633	4,658	2,015	2,672
	Barley.....	8,217	7,818	1,048	974
	Flax.....	—	—	47	55
	Rye.....	2	2	34	34
	Mixed Grain.....	41	21	41	32
	Corn.....	50	1,166	286	23
	Other Grains.....	—	—	6	5
Calgary.....	Wheat.....	2,465	2,565	455	652
	Oats.....	20	24	175	173
	Barley.....	1,390	1,323	1,021	1,016
	Flax.....	—	—	18	21
	Rye.....	5	35	15	12
	Mixed Grain.....	—	1	3	3
	Corn.....	—	—	4	4
Edmonton.....	Wheat.....	3,264	3,796	659	787
	Oats.....	310	326	396	387
	Barley.....	155	154	128	119
	Flax.....	6	5	17	16
	Rye.....	—	—	1	1
	Mixed Grain.....	3	4	1	1
	Corn.....	10	9	5	5
Lethbridge.....	Wheat.....	1,032	924	41	163
	Oats.....	—	—	—	1
	Barley.....	12	12	2	2
	Flax.....	—	—	27	26
	Rye.....	4	3	—	—
Moose Jaw.....	Wheat.....	2,665	4,940	976	1,131
	Oats.....	2	4	61	65
	Barley.....	13	11	18	36
	Flax.....	1	1	156	142
	Rye.....	3	2	1	1
	Mixed Grain.....	2	3	2	10
	Other Grains.....	—	—	160	144
	Corn.....	—	—	4	1
Saskatoon.....	Wheat.....	2,988	4,901	916	1,041
	Oats.....	2	—	93	100
	Barley.....	9	8	22	25
	Flax.....	—	—	151	152
	Rye.....	—	—	—	—
	Mixed Grain.....	1	3	5	6
	Other Grains.....	77	56	30	30
Prince Rupert.....	Wheat.....	2,632	2,625	19	140
	Oats.....	—	2	—	—
	Barley.....	3,957	3,500	—	—
	Mixed Grain.....	—	10	—	—

Table E-2.—Summary of Warehouse Receipt Registrations for Receipts and Shipments by Grain for Eastern and Western Divisions, 1951-52 Crop Year and 10-Year Average (1941-42 to 1950-51).

Point	Grain	Crop Year 1951-52		10-Year Average	
		Registered	Registered for Cancellation	Registered	Registered for Cancellation
WESTERN DIVISION—					
All Points.....	Wheat.....	383,180	400,310	252,482	260,089
	Oats.....	103,551	108,835	65,874	68,125
	Barley.....	99,789	100,830	45,951	44,768
	Flax.....	5,720	5,118	7,153	7,064
	Rye.....	9,484	7,807	7,438	7,337
	Mixed Grain.....	1,081	429	923	628
	Corn.....	85	1,200	429	161
	Other Grains.....	106	84	229	210
Total—All Grains.....		602,996	624,613	380,479	388,432
EASTERN DIVISION—					
Montreal.....	Wheat.....	380,834	358,873	265,747	270,682
	Oats.....	43,281	43,028	36,475	36,219
	Barley.....	113,965	111,408	23,633	22,850
	Flax.....	7,371	7,271	4,944	4,954
	Rye.....	7,804	7,652	4,601	4,542
	Mixed Grain.....	110	115	342	335
	Sunflower Seed.....	—	—	11	11
	Corn.....	6,886	7,338	14,044	14,230
	Screenings.....	511	525	923	933
	Peas.....	—	—	17	23
	Beans.....	919	578	808	807
	Buckwheat.....	260	266	66	64
	Other Grains.....	9	3	193	192
Total—All Grains.....		561,950	537,057	351,804	355,842

Table E-3.—Summary of Registration Fees Collected, Eastern and Western Divisions, Crop Year 1951-52 and 10-year Average (1941-42 to 1950-51)

		Crop Year 1951-52	10-Year Average	
			\$	cts.
WESTERN DIVISION—				
Winnipeg.....		37,793 48	26,825	12
Vancouver.....		9,459 97	3,451	50
Prince Rupert.....		509 05		6 36
Calgary.....		313 15	142	86
Edmonton.....		321 66	100	95
Lethbridge.....		79 48	10	48
Moose Jaw.....		305 83	116	36
Saskatoon.....		321 82	102	80
Total.....		49,104 44	30,756 43	
EASTERN DIVISION—				
Montreal.....		10,990 09	7,076	44
Grand Total.....		60,094 53	37,832 87	

APPENDIX F

Report of Chief Grain Inspector

WINNIPEG, Manitoba,
October 21, 1952.

Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

SIRS,—

I have the honour to submit herewith the annual report on the work of the Board's Inspection Branch during the crop year ended July 31, 1952. The report covers car inspections and cargo inspections in the Western Division, and car inspections, cargo inspections, and sampling of grain in the Eastern Division.

In early August of 1951 indications were that the three Prairie Provinces, with the exception of a small area in Southern Saskatchewan, would harvest good crops of all cereal grains. But after considerable cutting had taken place, continued rains and some snow caused grains to sprout and develop mildew, particularly in the Southern areas of the three provinces. The inclement weather continued and gave farmers no alternative other than to thresh regardless of the condition of the grain. As a result, about half of the 1951 crops graded Tough or Damp.

Early in the Fall all drying facilities were put into use at the Lakehead and Pacific terminals, and at Interior Government Elevators. Arrangements were also made to dry approximately 15,600,000 bushels of damp wheat at Duluth and Buffalo in the United States; this operation was supervised by Inspectors from the Winnipeg and Lakehead staffs. Moreover, terminals at Sarnia, Walkerville and Toronto dried considerable amounts of damp grain. During the crop year, approximately 122 million bushels of grain were dried by artificial means, and a further 46 million by natural means.

In some areas, mainly in Saskatchewan and Alberta, heavy snows made it impossible to operate farm machinery and much grain was left for spring threshing. Fortunately all three Prairie Provinces experienced a prolonged period of warm dry weather in the spring, and the balance of the crop that over-wintered in the field was threshed in dry condition.

In the Eastern Division the yield of Winter Wheat in some areas was less than anticipated due to two factors; bunt smut and Hessian Fly damage. All other crops were harvested under ideal conditions with yield and quality excellent.

The total number of cars inspected in the Western Division for the crop year 1951-52 was 360,498 against 266,526 for the previous year, an increase of 93,972.

Respectfully submitted,

A. F. DOLLERY,

Chief Grain Inspector.

WESTERN DIVISION

Table F-1.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Grains, compared with 1950-51 and 10-year average 1941-42 to 1950-51

—	1951-52	1950-51	10-year Average	1951-52	1950-51	10-year Average
				Number of carlots		Percentage of total
Wheat.....	249,112	184,945	178,920	69.10	69.39	68.60
Oats.....	46,063	36,191	38,264	12.78	13.58	14.67
Barley.....	55,005	38,042	32,479	15.26	14.27	12.45
Flax.....	4,021	1,982	5,555	1.12	0.74	2.13
Rye.....	5,391	4,780	4,465	1.49	1.79	1.71
Mixed Grain.....	470	273	457	0.13	0.10	0.18
Corn.....	39	42	175	0.01	0.02	0.07
Buckwheat.....	30	16	4	0.01	0.01	*
Screenings.....	333	232	412	0.09	0.09	0.16
Peas.....	25	23	51	0.01	0.01	0.02
Sunflower Seeds.....	—	—	23	—	—	0.01
Rapeseed.....	9	—	*	*	—	*
Speltz.....	—	—	*	—	—	*
Soybeans.....	—	—	*	—	—	*
Totals.....	360,498	266,526	260,805	100.00	100.00	100.00

* Too few to record.

Table F-2.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Points, compared with 1950-51 and 10-year average 1941-42 to 1950-51

—	1951-52	1950-51	10-year Average	1951-52	1950-51	10-year Average
				Number of carlots		Percentage of total
Winnipeg.....	250,844	194,526	203,222	69.58	72.99	77.92
Calgary.....	42,302	27,640	21,068	11.74	10.37	8.08
Moose Jaw.....	5,246	6,706	4,763	1.45	2.52	1.83
Saskatoon.....	6,778	8,665	5,559	1.88	3.25	2.17
Medicine Hat.....	3,293	3,410	3,380	0.91	1.28	1.30
Lethbridge.....	628	34	530	0.18	0.01	0.20
Vancouver.....	7,870	2,968	996	2.18	1.11	0.38
Edmonton.....	39,384	18,573	19,659	10.93	6.97	7.54
Churchill.....	4,153	4,004	1,528*	1.15	1.50	0.58
Totals.....	360,498	266,526	260,805	100.00	100.00	100.00

* Cars inspected during last five years only.

Table F-3.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Grain and Grades

Grade	Carlots	Percentage	Percentage of Total Wheat Inspections
WHEAT			
1 Manitoba Northern.....	890	0.37	—
2 Manitoba Northern.....	10,216	4.26	—
3 Manitoba Northern.....	39,978	16.66	—
4 Manitoba Northern.....	27,879	11.62	—
No. 4 Special.....	287	0.12	—
No. 5.....	26,807	11.17	—
No. 6.....	14,201	5.92	—
Feed.....	2,107	0.88	—
Sample.....	248	0.10	—
Smutty.....	101	0.04	—
Tough.....	84,345	35.15	—
Damp.....	31,895	13.29	—
Rejected.....	993	0.42	—
No. 5 Special.....	10	—	—
Dried No. 5.....	7	—	—
Total Red Spring Wheat.....	239,964	100.00	96.33

Table F-3.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Grain and Grades—continued

Grade	Carlots	Percentage	Percentage of Total Wheat Inspections
WHEAT—concluded			
2 Canada Western Garnet.....	74	6.37	—
3 Canada Western Garnet.....	500	43.03	—
Tough Canada Western Garnet.....	538	46.30	—
Damp Canada Western Garnet.....	44	3.79	—
Rejected Canada Western Garnet.....	6	0.51	—
Total Garnet Wheat.....	1,162	100.00	0.47
1 Canada Western Amber Durum.....	3	0.04	—
2 Canada Western Amber Durum.....	60	0.86	—
3 Canada Western Amber Durum.....	1,530	21.88	—
4 Canada Western Amber Durum.....	1,325	18.95	—
5 Canada Western Amber Durum.....	194	2.77	—
6 Canada Western Amber Durum.....	52	0.74	—
Smutty Canada Western Amber Durum.....	10	0.14	—
Tough Canada Western Amber Durum.....	2,461	35.19	—
Damp Canada Western Amber Durum.....	1,039	14.86	—
Rejected Canada Western Amber Durum.....	280	4.00	—
Sample Canada Western Amber Durum.....	39	0.56	—
Total Amber Durum Wheat.....	6,993	100.00	2.81
2 Canada Western Soft White Spring.....	7	2.23	—
3 Canada Western Soft White Spring.....	15	4.78	—
4 Canada Western Soft White Spring.....	17	5.42	—
Tough Canada Western Soft White Spring.....	116	36.94	—
Damp Canada Western Soft White Spring.....	151	48.09	—
Rejected Canada Western Soft White Spring.....	8	2.54	—
Total Soft White Spring Wheat.....	314	100.00	0.13
1 Canada Western Mixed Wheat.....	8	2.61	—
2 Canada Western Mixed Wheat.....	55	17.97	—
3 Canada Western Mixed Wheat.....	15	4.90	—
4 Canada Western Mixed Wheat.....	78	25.49	—
5 Canada Western Mixed Wheat.....	21	6.87	—
6 Canada Western Mixed Wheat.....	13	4.25	—
Tough Canada Western Mixed Wheat.....	81	26.47	—
Damp Canada Western Mixed Wheat.....	27	8.83	—
Rejected Canada Western Mixed Wheat.....	8	2.61	—
Total Mixed Wheat.....	306	100.00	0.11
1 Alberta Red Winter.....	50	13.40	—
2 Alberta Winter.....	151	40.50	—
3 Alberta Winter.....	57	15.28	—
4 Alberta Winter.....	23	6.17	—
Tough Alberta Winter.....	49	13.14	—
Damp Alberta Winter.....	10	2.68	—
Smutty Alberta Winter.....	9	2.40	—
Rejected Alberta Winter.....	24	6.43	—
Total Alberta Winter Wheat.....	373	100.00	0.15
Total All Wheats.....	249,112	—	100.00
Grade	Carlots	Percentage	

OATS

2 Canada Western.....	53	0.11
Extra 3 Canada Western.....	332	0.72
3 Canada Western.....	2,206	4.80

Table F-3.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Grain and Grades—continued

	Grade	Carlots	Percentage
OATS—Concluded			
Extra 1 Feed.....	5,266	11.43	
1 Feed.....	15,484	33.62	
2 Feed.....	1,746	3.79	
3 Feed.....	478	1.04	
Mixed Feed Oats.....	10	0.02	
Rejected Oats.....	398	0.86	
Sample.....	423	0.92	
Tough.....	14,361	31.17	
Damp.....	5,306	11.52	
Total Oats.....	46,063	100.00	
BARLEY			
1 Canada Western Six Row.....	2	Nil	
2 Canada Western Six Row.....	392	0.71	
3 Canada Western Six Row.....	6,598	12.00	
4 Canada Western Six Row.....	763	1.39	
1 Canada Western Two Row.....	1	Nil	
2 Canada Western Two Row.....	76	0.14	
3 Canada Western Two Row.....	306	0.55	
2 Canada Western Yellow.....	3	Nil	
3 Canada Western Yellow.....	8	0.02	
1 Feed.....	12,759	23.20	
2 Feed.....	6,530	11.87	
3 Feed.....	1,407	2.56	
Rejected.....	117	0.21	
Sample.....	93	0.17	
Tough.....	18,981	34.51	
Damp.....	6,969	12.67	
Total Barley.....	55,005	100.00	
FLAX			
1 Canada Western.....	914	22.73	
2 Canada Western.....	493	12.26	
3 Canada Western.....	136	3.39	
4 Canada Western.....	29	0.72	
Sample.....	6	0.15	
Tough.....	2,215	55.10	
Damp.....	227	5.65	
Flax and Broken Grain.....	1	Nil	
Total Flax.....	4,021	100.00	
RYE			
1 Canada Western.....	8	0.15	
2 Canada Western.....	1,085	20.13	
3 Canada Western.....	1,674	31.05	
4 Canada Western.....	447	8.29	
Ergoty Rye.....	85	1.58	
Rejected.....	12	0.22	
Tough.....	1,798	33.35	
Damp.....	271	5.03	
Sample.....	11	0.20	
Total Rye.....	5,391	100.00	

Table F-3.—Primary Carlot Inspections from August 1, 1951 to July 31, 1952, by Grain and Grades—Concluded

Grade	Carlots	Percentage
MIXED GRAIN		
1 Canada Western Mixed Grain.....	29	6·17
2 Canada Western Mixed Grain.....	36	7·66
3 Canada Western Mixed Grain.....	83	17·66
4 Canada Western Mixed Grain.....	14	2·98
Tough.....	170	36·17
Damp.....	85	18·08
Sample.....	42	8·94
Rejected.....	11	2·34
Total Mixed Grain.....	470	100·00
CORN		
2 Canada Western Yellow.....	1	2·56
4 Canada Western Yellow.....	1	2·56
5 Canada Western Yellow.....	11	28·21
Tough.....	3	7·69
Damp.....	1	2·56
Wet.....	1	2·56
Sample.....	21	53·86
Total Corn.....	39	100·00
Buckwheat		
Screenings.....	30	—
Peas.....	333	—
Rapeseed.....	25	—
Grand Total.....	360,498	—

Table F-4.—Carlots of Tough, Damp and Straight Grain Inspected at Primary Inspection Points, August 1, 1951 to July 31, 1952

Grain	Tough	Damp	Tough and Damp	Straight	Total
Carlots					
Wheat.....	87,590	33,130	120,720	128,392	249,112
Oats.....	14,361	5,306	19,667	26,396	46,063
Barley.....	18,981	6,969	25,950	29,055	55,005
Flaxseed.....	2,215	227	2,442	1,579	4,021
Rye.....	1,798	271	2,069	3,322	5,391
Others.....	173	87	260	646	906
All Grains.....	125,118	45,990	171,108	189,390	360,498
Percentage of Total					
	%	%	%	%	%
Wheat.....	35·2	13·3	48·5	51·5	100
Oats.....	31·2	11·5	42·7	57·3	100
Barley.....	34·5	12·7	47·2	52·8	100
Flaxseed.....	55·1	5·6	60·7	39·3	100
Rye.....	33·4	5·0	38·4	61·6	100
Others.....	19·1	9·6	28·7	71·3	100
All Grains.....	34·7	12·8	47·5	52·5	100

Table F-5.—Number of Two Pound Samples "Subject to Grade and Dockage" Inspected During the Crop Year 1951-52 Compared with the Crop Year 1950-51

Point	1951-52			1950-51		
	For Licensees	For Non- licensees	Total	For Licensees	For Non- licensees	Total
Winnipeg.....	15,121	2,874	17,995	3,544	20,603	24,147
Calgary.....	1,042	40	1,082	866	210	1,076
Edmonton.....	594	15	609	479	256	735
Lethbridge.....	2,026	51	2,077	582	108	690
Medicine Hat.....	103	20	123	27	38	65
Saskatoon.....	914	25	939	54	41	95
Moose Jaw.....	540	26	566	150	65	215
Total.....	20,340	3,051	23,391	5,702	21,321	27,023

Table F-6.—Carlots Re-inspected from August 1, 1951 to July 31, 1952

Point	In-spected	Re-inspected	Un-changed	Grades Raised	Grades Lowered	Dockage Raised	Dockage Lowered
Number of Carlots							
Winnipeg.....	250,844	40,350	23,161	8,615	988	827	6,759
Calgary.....	42,302	5,577	2,178	2,195	66	227	911
Edmonton.....	39,384	10,146	3,576	3,168	82	319	3,001
Saskatoon.....	6,778	424	378	44	1	—	1
Moose Jaw.....	5,246	335	315	17	2	—	1
Medicine Hat.....	3,293	36	24	12	—	—	—
Lethbridge.....	628	—	—	—	—	—	—
Vancouver.....	7,870	249	182	66	1	—	—
Churchill.....	4,153	—	—	—	—	—	—
Totals.....	360,498	47,117	29,814	14,117	1,140	1,373	10,673
Percentage of Re-inspections							
	%	%	%	%	%	%	%
Winnipeg.....	—	100	57.40	21.35	2.45	2.05	16.75
Calgary.....	—	100	39.06	39.36	1.18	4.07	16.33
Edmonton.....	—	100	35.25	31.22	0.80	3.15	29.58
Saskatoon.....	—	100	89.15	10.37	0.24	—	0.24
Moose Jaw.....	—	100	94.03	5.07	0.60	—	0.30
Medicine Hat.....	—	100	66.66	33.34	—	—	—
Lethbridge.....	—	—	—	—	—	—	—
Vancouver.....	—	100	73.10	26.50	0.40	—	—
Churchill.....	—	—	—	—	—	—	—
Totals.....	—	100	52.20	24.72	1.99	2.40	18.69
Percentage of Total Inspections							
	%	%	%	%	%	%	%
Winnipeg.....	100	16.08	9.23	3.43	0.39	0.33	2.70
Calgary.....	100	13.18	5.15	5.19	0.15	0.54	2.15
Edmonton.....	100	25.76	9.08	8.04	0.21	0.81	7.62
Saskatoon.....	100	6.25	5.58	0.65	0.01	—	0.01
Moose Jaw.....	100	6.39	6.01	0.32	0.04	—	0.02
Medicine Hat.....	100	1.09	0.73	0.36	—	—	—
Lethbridge.....	100	—	—	—	—	—	—
Vancouver.....	100	3.16	2.31	0.84	0.01	—	—
Churchill.....	100	—	—	—	—	—	—
Totals.....	100	15.84	8.27	3.91	0.32	0.38	2.96

Table F-7.—Summary of Carlot Inspections Appealed during the Crop Year 1951-52

Item	Winnipeg		Edmonton		Calgary		Total	
	Cars	Per Cent	Cars	Per Cent	Cars	Per Cent	Cars	Per Cent
Left as Graded....	555	92.0	539	85.1	670	84.1	1,764	86.77
Grades Raised....	48	8.0	93	14.7	127	15.9	268	13.18
Grades Lowered....	—	—	1	2	—	—	1	0.05
Total.....	603	100.0	633	100.0	797	100.0	2,033	100.00
Total Cars Inspected.....							360,498	100.00
Total Appeals.....							2,033	0.57
Total Grades Changed.....							269	0.08

Table F-8.—Quantities of the Various Grains Inspected and Shipped by Vessel During the Crop Year 1951-52

Grain	Fort William and Port Arthur	Vancouver	Prince Rupert	Churchill	Duluth and Superior	Total
	bu.	bu.	bu.	bu.	bu.	bu.
Wheat.....	253,620,700	100,613,395	2,556,584	7,278,443	5,485,064	369,554,186
Oats.....	82,616,198	1,379,685	—	—	—	83,995,883
Barley.....	73,809,522	6,708,912	3,569,333	—	—	84,087,767
Flaxseed.....	4,071,347	71	—	—	—	4,071,418
Rye.....	6,977,329	—	—	—	—	6,977,329
Screenings.....	2,921,778	11,424	—	—	—	2,933,202
Mixed Grain.....	43,702	—	—	—	—	43,702
Barley—U.S.A.....	—	610,423	—	—	—	610,423
Corn—U.S.A.....	—	1,003,053	—	—	—	1,003,053
Total.....	424,060,576	110,326,963	6,125,917	7,278,443	5,485,064	553,276,963

Table F-9.—Outward Cars Inspected—Crop Year August 1, 1951 to July 31, 1952, Out of Public, Semi-Public and Private Elevators

Grain	Winnipeg	Fort William and Port Arthur	Calgary	Edmonton	Moose Jaw	
					Number of Carlots	
Wheat.....	473	9,659	1,507	2,410	—	3,186
Oats.....	1,182	10,103	51	72	—	131
Barley.....	757	10,076	214	69	—	33
Flaxseed.....	44	488	—	2	—	2
Rye.....	14	604	—	—	—	1
Screenings.....	411	2,560	215	34	—	79
Mixed Grain.....	63	161	114	3	—	87
Buckwheat.....	—	18	—	—	—	—
Rapeseed.....	—	1	—	—	—	—
Corn.....	2	—	—	—	—	—
Peas.....	9	—	—	—	—	—
Total.....	2,955	33,670	2,101	2,590	—	3,519
	Saskatoon	Lethbridge	Medicine Hat	Vancouver and Prince Rupert	Churchill	
					Number of Carlots	
Wheat.....	3,154	523	3	1,028	—	—
Oats.....	16	—	1	1,526	—	11
Barley.....	19	4	—	132	—	—
Flaxseed.....	2	—	10	—	—	—
Rye.....	9	—	—	1	—	—
Screenings.....	299	—	29	1,705	—	110
Mixed Grain.....	11	—	—	31	—	—
Buckwheat.....	—	—	—	—	—	—
Rapeseed.....	—	—	—	1	—	—
Corn.....	—	—	—	1	—	—
Peas.....	—	—	—	—	—	—
Total.....	3,510	527	43	4,425	—	121

EASTERN DIVISION**Table F-10.—Total Carlot, Cargo and Bin Inspections, Crop Year 1951-52**

—	Eastern Grain	Eastern Grain Cargoes	Western Grain Cargoes	Bin Inspection Eastern Grain	Bin Inspection Western Grain
	Carlots	bu.	bu.	bu.	bu.
Montreal.....	434	329,437	439,788	1,182,876	25,835
Toronto.....	1,613	439,988	—	6,830	—
Chatham.....	9,376	1,391,153	—	1,400	—
Total.....	11,423	2,160,578	439,788	1,191,106	25,835

Table F-11.—Carlots, Cargoes and Bins Sampled but not Inspected (Fees Collected Crop Year 1951-52)

—	Eastern Grain	Western Grain	U.S. Grain	Totals
Carlots				
Montreal.....	62	303	13	378
Toronto.....	12	5	1	18
Chatham.....	36	2	—	38
Totals.....	110	310	14	434
Cargoes				
Montreal.....	bu. 779,389	bu. 2,119,413	bu. 740,062	bu. 3,638,864
Toronto.....	—	247,300	—	247,300
Chatham.....	1,391,153	785,760	—	2,177,113
Totals.....	2,170,542	3,152,473	740,062	6,063,277
Bin Sampling				
Montreal.....	bu. 401,203	bu. 45,479	bu. —	bu. 446,682
Toronto.....	3,330	3,500	—	6,830
Chatham.....	—	—	423,910	423,910
Totals.....	404,533	48,979	423,910	877,422

Table F-12.—Western, Eastern and Foreign Grain Sampled for Export, Export in Bags and Inward, by Points (Fees not Collected) Crop Year 1951-52

—	Export	Export in Bags	Inward	Totals
	bu.	bu.	bu.	bu.
Western Grain.....	209,415,646	526,256	60,649,819	270,591,721
Eastern Grain.....	2,062,617	4,793	1,547,296	3,614,706
U.S. Grain.....	402,451	—	179,605	582,146
Totals.....	211,880,714	531,049	62,376,810	274,788,573
Montreal.....	126,623,027	368,983	62,376,810	189,368,820
Sorel.....	19,333,822	—	—	19,333,822
Three Rivers.....	15,017,965	—	—	15,017,965
Quebec.....	26,171,579	160,200	—	26,331,779
Halifax.....	10,058,584	1,866	—	10,060,450
Saint John.....	14,675,737	—	—	14,675,737
Totals.....	211,880,714	531,049	62,376,810	274,788,573

Table F-13.—Carlot Inspections from August 1, 1951, to July 31, 1952, by Grain, Grades and Points

Grade	Montreal	Toronto	Chatham	Total
WHEAT				
2 C.E. Red Winter.....	—	—	2	2
1 C.E. White Winter.....	1	14	164	179
2 C.E. White Winter.....	79	143	522	744
3 C.E. White Winter.....	20	23	85	128
4 C.E. White Winter.....	1	—	15	16
5 C.E. White Winter.....	—	—	3	3
1 C.E. Mixed Winter.....	—	—	201	201
2 C.E. Mixed Winter.....	25	23	690	738
3 C.E. Mixed Winter.....	2	6	80	88
4 C.E. Mixed Winter.....	—	—	6	6
Unfit for Human Consumption.....	—	1	4	5
Tough.....	104	565	1,254	1,923
Damp.....	1	5	10	16
Smutty.....	1	55	87	143
Sample.....	—	4	19	23
Total Wheat.....	234	839	3,142	4,215
OATS				
1 C.E. White.....	—	3	—	3
2 C.E. White.....	—	4	6	10
3 C.E.	8	—	8	16
4 C.E.	—	1	2	3
Mixed Feed.....	2	20	—	22
Extra 1 Feed.....	1	—	—	1
Tough.....	31	3	5	39
Damp.....	2	—	—	2
Total Oats.....	44	31	21	96
BARLEY				
2 C.E. 6 Row.....	—	—	4	4
3 C.E. 6 Row.....	1	29	29	59
4 C.E.	17	—	—	17
5 C.E.	6	—	—	6
1 Feed.....	2	11	—	13
2 Feed.....	47	10	—	57
3 Feed.....	14	62	—	76
Tough.....	2	7	20	29
Damp.....	1	—	—	1
Sample.....	1	6	—	7
Total Barley.....	91	125	53	269
RYE				
2 C.E.	—	1	25	26
3 C.E.	—	—	13	13
4 C.E.	—	—	1	1
Tough.....	1	7	47	55
Damp.....	—	—	7	7
Total Rye.....	1	8	93	102
MIXED GRAIN				
3 C.W.	—	2	—	2
3 C.E.	1	—	—	1
Sample.....	—	2	—	2
Total Mixed Grain.....	1	4	—	5
BUCKWHEAT				
2 C.E.	1	—	1	2
Tough.....	8	—	10	18
Damp.....	36	6	12	54
Total Buckwheat.....	45	6	23	74

Table F-13.—Carlot Inspections from August 1, 1951, to July 31, 1952, by Grain, Grades and Points—concluded

Grade	Montreal	Toronto	Chatham	Total
CORN				
Extra Dry 1 C.E. Yellow.....	—	9	353	362
1 C.E. Yellow.....	—	42	500	542
Extra Dry 2 C.E. Yellow.....	—	2	423	425
Extra Dry 2 C.E. Yellow Flint and Dent.....	—	—	2	2
2 C.E. Yellow.....	1	14	797	812
Extra Dry 3 C.E. Yellow.....	—	6	105	111
3 C.E. Yellow.....	—	14	122	136
Extra Dry 4 C.E. Yellow.....	—	6	31	37
4 C.E. Yellow.....	—	7	44	51
Extra Dry 5 C.E. Yellow.....	—	2	4	6
5 C.E. Yellow.....	2	—	11	13
1 C.E. White.....	—	—	1	1
Extra Dry 2 C.E. White.....	—	—	1	1
2 C.E. White.....	—	—	3	3
3 C.E. White.....	—	—	1	1
Extra Dry 4 C.E. White.....	—	—	1	1
4 C.E. White.....	—	—	1	1
Extra Dry 1 C.E. Mixed.....	—	—	1	1
1 C.E. Mixed.....	—	—	1	1
Extra Dry 2 C.E. Mixed.....	—	—	4	4
2 C.E. Mixed.....	—	—	1	1
Extra Dry 3 C.E. Mixed.....	—	—	1	1
3 C.E. Mixed.....	—	—	1	1
4 C.E. Mixed.....	—	—	1	1
Extra Dry Sample C.E.	—	—	3	3
Tough.....	—	6	269	275
Damp.....	—	—	346	346
Moist.....	—	1	931	932
Wet.....	—	2	291	293
Sample.....	3	—	5	8
Total Corn.....	6	111	4,255	4,372
BEANS				
Extra Dry 1 C.E. Pea.....	—	—	1	1
1 C.E. Pea.....	1	—	184	185
2 C.E. Pea.....	—	—	165	165
3 C.E. Pea.....	—	—	11	11
4 C.E. Pea.....	—	—	2	2
3 C.E. Yelloweyes.....	—	—	1	1
2 C.E. Red Kidney.....	—	—	1	1
Tough.....	—	—	56	56
Sample.....	—	—	1	1
Total Beans.....	1	—	422	423
SOYBEANS				
1 Can. Yellow.....	—	368	898	1,266
2 Can. Yellow.....	—	3	67	70
3 Can. Yellow.....	—	—	9	9
4 Can. Yellow.....	—	1	3	4
5 Can. Yellow.....	—	—	1	1
Tough.....	—	62	345	407
Damp.....	—	4	29	33
Moist.....	—	1	5	6
Sample.....	—	—	2	2
Total Soybeans.....	—	439	1,359	1,798
FLAXSEED				
1 C.E.	2	5	1	8
2 C.E.	—	2	3	5
3 C.E.	3	2	—	5
Tough.....	6	34	4	44
Damp.....	—	7	—	7
Total Flaxseed.....	11	50	8	69
Grand Totals.....	434	1,613	9,376	11,423

APPENDIX G

Report of the Weighing Branch

FORT WILLIAM, Ontario,

December 22, 1952.

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS,—I have the honour to submit herewith the following report of the Grain Weighing Branch of the Board for the Crop Year 1951-52.

Weighing Services

This Branch supplied weighing services at all Public, Semi-Public and Private Terminal Elevators licensed by the Board in the Western Division for weighing all grain received into and shipped out of these elevators, as required under Sections 91 and 123 of The Canada Grain Act. Weighing services were also provided when required at licensed Mill Elevators.

In the Eastern Division, weighing services were available at licensed Eastern Elevators at Port McNicoll, Midland, Owen Sound, Goderich, Toronto and Sarnia on a fees basis for the weighing of shipments for domestic use.

In Tables G-1 to G-3 of this appendix are given gross quantities and carlots of various grains weighed at different points.

Maintenance of Equipment

In spite of the tremendous volume of work at Terminal and Eastern Elevators that was required to handle the 1951 crop, necessitating operation almost 24 hours per day, the equipment for receiving, shipping and transferring grain has been maintained in satisfactory condition. A considerable amount of maintenance and repair work was done on scales in the above elevators to keep them functioning properly under the heavy strain to which they were subjected during the past year. This work has been done in a most satisfactory manner and passed inspection.

Inspection of Scales

Under the writer's authority as Inspector of Weights and Measures for scales in Terminal and Eastern Elevators, and with the help of the Assistant Chief Weighmaster, Mr. W. H. Comba, the annual inspection in the Western and Eastern Divisions was carried out during the crop year in accordance with the Weights and Measures Act and regulations respecting Weights and Measures, P.C. 6894 of December 19, 1951. Certificates of verification were issued covering all scales inspected at terminal elevators licensed by the Board at the Lakehead; at interior points including Moose Jaw, Saskatoon, Edmonton, Calgary and Lethbridge; at Port Churchill and at the Pacific Ports of Vancouver, New Westminster, Victoria and Prince Rupert. Annual inspections were also made and certificates of verification issued on scales at Eastern Elevators at the following eighteen points: Port McNicoll, Midland, Collingwood, Owen Sound, Goderich, Sarnia, Walkerville, Toronto, Port Colborne, Kingston, Prescott, Montreal, Sorel, Three Rivers, Quebec, Saint John, West Saint John and Halifax.

In addition, semi-annual inspection of scales and special inspections when considered necessary, were made at terminals in the Western Division on behalf of the Board, so that continued accurate operation of these scales would be assured.

Shortages in Carlot Shipments

All complaints received on the outturns of cars unloaded into terminal elevators were thoroughly investigated and when the investigation warranted it, adjustments were made or recommended. The total amount of grain involved in the adjustments was 8,755-00 bushels.

Last year, reference was made to the proper installation of grain doors. There is still room for improvement in this connection as a large number of cars arriving at terminal elevators are found to have leaking grain doors because these doors are not properly installed. Data relating to cars reported leaking may be found in Tables G-4 and G-5 of this appendix.

Vessel Shipments

During the crop year in review, there were 1,763 vessels loaded at the Lakehead ports, 558 at Pacific Coast ports and 21 at Port Churchill.

Table G-6 shows the average reported shortages in pounds per 1,000 bushels on the various grains loaded at Fort William and Port Arthur and unloaded at Canadian and American ports. These data indicate an improvement in outturns over last year and over the five-year average.

All complaints on the outturns of cargoes which were received have been thoroughly investigated and results of these investigations have been referred to the Board with appropriate recommendations.

Annual Weighovers

The annual audits of grain in store in licensed elevators in the Eastern and Western Divisions were carried out as required under Sections 138 and 138A of The Canada Grain Act.

In the Western Division, all grain in store in Public and Semi-Public Terminal Elevators and the first four statutory grades of hard Red Spring Wheat and grades of No. 1 and No. 2 C.W. Garnet in Private Terminal Elevators, were weighed over. In the Eastern Division, all grain in store in elevators licensed as Eastern Elevators was also weighed over. Statements of the correct quantities of the various grades in store in each of the above elevators were submitted through the Chief Statistician's office to the Board to permit adjustments of outstanding warehouse receipts, and to determine overages or shortages in accordance with the provisions of Sections 138 and 138A of The Canada Grain Act.

Personnel

It is with regret that we record the deaths of Mr. S. G. Humphrey on January 16th, Mr. Thomas Franks on October 11th and Mr. W. Hutchinson on December 17th, 1952, who were valued members of the Weighing Branch staff.

During 1952, eight employees of the Weighing Branch retired after serving for long periods which vary between twenty-four and forty years.

Respectfully submitted,

S. M. CAPON,

Chief Weighmaster.

Table G-1.—Gross Quantity of All Grains Weighed in the Western Division (Excluding Fort William and Port Arthur) During 1951-52 Crop Year

RECEIPTS

Point	Wheat	Oats	Barley	Rye	Flaxseed	Canadian Corn	U.S.A. Barley	U.S.A. Corn	Canadian Miscellaneous
	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	lb.
Vancouver and New Westminster.....	109,523,328	4,675,809	6,553,548	2,023	65	—	1,777,977	49,814	9,109,890
Victoria.....	—	—	—	—	—	—	—	—	—
Prince Rupert.....	2,715,474	99	4,002,088	—	—	—	—	—	—
Churchill.....	7,556,224	332	—	—	90	—	—	—	—
Calgary.....	2,514,063	20,469	1,390,495	4,744	—	—	—	—	—
Edmonton.....	3,310,095	311,282	155,787	—	7,012	2,739	—	7,113	57,760
Lethbridge.....	1,018,355	—	12,195	3,606	—	—	—	—	—
Moose Jaw.....	2,716,693	2,185	12,974	3,107	716	—	—	—	94,890
Saskatoon.....	3,079,374	935	9,357	—	—	—	—	—	3,914,165
North Transcona.....	863,760	75,543	83,708	12,629	7,905	—	—	—	15,139,610
Kenora.....	238,740	120	—	—	—	—	—	—	—
Total Receipts.....	133,586,106	5,086,774	12,290,142	26,109	15,788	2,739	1,777,977	56,327	28,316,615
SHIPMENTS									
Vancouver and New Westminster.....	103,821,348	4,657,601	5,875,183	2,130	488	—	1,943,132	1,166,532	128,437,460
Victoria.....	—	—	3,500,431	—	—	—	—	—	—
Prince Rupert.....	2,625,489	2,035	—	—	—	—	—	—	4,613,920
Churchill.....	7,545,444	22,832	—	—	—	—	—	—	7,350,986
Calgary.....	2,568,467	20,326	1,323,217	34,668	—	—	—	—	2,707,560
Edmonton.....	3,496,165	318,554	151,885	—	4,611	1,909	—	6,637	4,695,655
Lethbridge.....	924,454	—	11,966	3,215	—	—	—	—	313,650
Moose Jaw.....	4,938,176	2,631	12,351	3,107	716	—	—	—	3,482,450
Saskatoon.....	4,909,582	383	7,814	—	40,990	9,078	—	—	11,049,810
North Transcona.....	472,409	102,430	82,430	—	12,629	—	—	—	14,444,370
Kenora.....	10,884	—	—	—	—	—	—	—	202,460
Total Shipments.....	131,603,408	5,126,842	10,971,251	96,739	14,893	1,999	1,943,132	1,173,169	177,298,321

Table G-2.—Gross Quantities of Various Grains Weighed Into and Out of Elevators at Fort William-Port Arthur During the Crop Year Ended July 31, 1952

Grain	RECEIPTS				Total	
	Receipts from Western Canada	Transfer Receipts				
		Rail	Vessel			
	bu.	bu.	bu.	bu.	bu.	
Wheat.....	256,252,950	1,774,499	166,530		258,193,979	
Oats.....	100,075,560	250,103	9,564		100,335,227	
Barley.....	90,620,124	1,084,087	114,213		91,818,424	
Rye.....	9,367,683	696,539	—		10,064,222	
Flaxseed.....	6,560,955	177,903	—		6,738,858	
Canadian Western Buckwheat.....	32,403	220	—		32,623	
U.S.A. Wheat.....	117,060	—	—		117,060	
U.S.A. Corn.....	24,914	—	—		24,914	
Mixed Grain ¹	799,055	17,357	—		816,412	
Sample Grain ¹	237,493	9,428	—		246,921	
All Screenings ²	447,700	127,040	—		574,740	
Grand Total	—	—	—		468,963,380	

SHIPMENTS

Grain	Vessel	Rail	Transfer Shipments		Total
			Rail	Vessel	
	bu.	bu.	bu.	bu.	bu.
Wheat.....	253,258,511	14,458,097	1,775,950	163,144	269,655,702
Oats.....	82,606,638	21,524,055	249,422	9,564	104,389,679
Barley.....	73,740,723	17,596,597	1,103,749	104,810	92,545,879
Rye.....	6,977,331	70,543	705,612	—	7,753,486
Flaxseed.....	4,071,347	954,194	178,484	—	5,204,025
Canadian Western Buckwheat.....	—	27,868	—	—	27,868
U.S.A. Wheat.....	199,323	—	—	—	199,323
U.S.A. Corn.....	—	24,900	—	—	24,900
Mixed Grain ¹	52,444	206,856	18,587	—	277,887
Sample Grain ¹	—	123,803	12,175	—	135,978
All Screenings ²	3,652,647	5,028,489	122,811	—	8,803,947
Grand Total	—	—	—	—	489,018,674

¹ Mixed Grain in bushels of 50 pounds.

² Screenings in bushels of 48 pounds.

Table G-3.—Number of Carlots of All Grain Weighed at Interior Points Other Than Public Interior Terminals, Crop Year 1951-1952

Point	Number of Carlots
Keewatin and Kenora.....	5,624
Winnipeg.....	12,342
Saskatoon.....	5,996
Moose Jaw.....	4,725
Calgary.....	7,315
Edmonton.....	445
Medicine Hat.....	3,680
Lethbridge.....	33
Churchill.....	4,278
Total	44,438

Table G-4.—Number of Cars Leaking and Cars with Missing or Defective Seals at the Lakehead, at Other Points and at Winnipeg Yards, by Railway, for Crop Year 1951-1952.

Destination	Cars Leaking		Missing Seals		Defective Seals	
	C.N.R.	C.P.R.	C.N.R.	C.P.R.	C.N.R.	C.P.R.
Lakehead Elevators and Yards.....	19,737	25,803	1,511	2,520	285	457
Other Points.....	6,994	9,940	538	1,085	133	471
Totals.....	26,731	35,743	2,049	3,605	418	928
Total Both Railways.....	62,474		5,654		1,346	
Winnipeg Yards.....	1,862	4,954	1,032*	1,572*		

* Figures are for missing and defective seals combined.

Table G-5.—Number of Cars Weighed at all Points and Percentage of such Cars found Leaking or with Defective Seals, Crop Year 1951-52

	Number	Percentage of Total
Cars Weighed in.....	368,045	100·0
Inward Cars Leaking.....	62,474	17·0
Inward Cars with Missing or Defective Seals.....	7,000	1·9
Cars Weighed out.....	59,546	—

Table G-6.—Average Reported Shortages in pounds per 1,000 bushels on the various grains loaded at Fort William and Port Arthur and unloaded at Canadian and United States ports for the 1952 Navigation Season.

Grain	Bushels	Shortage in Pounds per 1,000 Bushels
CANADIAN PORTS		
Wheat.....	203,160,504	29·46
Durum Wheat.....	8,828,761	30·27
Oats.....	34,385,396	20·33
Barley.....	63,566,608	28·83
Rye.....	4,246,806	92·93
Flaxseed.....	4,071,347	46·82
Sample Grain (in lbs.).....	3,030,940	1·26 lbs. per 1,000 lbs.
Screenings (in tons).....	7,162·8	2·15 lbs. per ton

	UNITED STATES PORTS	
Wheat.....	39,739,356	53·80
Durum Wheat.....	1,271,795	50·87
Oats.....	48,488,631	28·89
Barley.....	9,708,067	40·74
Rye.....	2,730,525	72·32
Screenings (in tons).....	80,817·8	Nil

	TOTAL CANADIAN AND UNITED STATES PORTS	
Wheat.....	243,015,721	33·44
Durum Wheat.....	10,100,556	32·86
Oats.....	82,874,027	25·34
Barley.....	73,274,675	30·41
Rye.....	6,977,332	84·88
Flaxseed.....	4,071,347	46·82
Sample Grain (in lbs.).....	3,030,940	1·26 lbs. per 1,000 lbs.
Screenings (in tons).....	87,980·6	0·17 lbs. per ton

	EUROPE—DIRECT	
Wheat.....	115,861	(No reports of outturns received. These figures not included in Bill of Lading totals used in calculating average shortage per 1,000 bus.)

APPENDIX H

Report of the Chief Statistician

FORT WILLIAM, Ontario,
January 10, 1953.

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS,—I have the honour to submit the following report for the Statistics Branch for 1952. This report presents grain statistics for the 1951-52 Crop Year, the 1952 Season of Navigation on the Great Lakes, and a preliminary statement relating to Canada's 1952 harvest.

Canadian wheat stocks of 189.2 million bushels were carried into the 1951-52 season. This carry-over combined with 1951 production of 553.0 millions made up a total supply of 742.0 million bushels available for the 1951-52 Crop Year for export, domestic use and carry-over. At the end of the Crop Year, July 31, 1952, these supplies had been reduced to 213.0 million bushels held on farms and in visible positions.

The July 31, 1952, carry-over of Canadian coarse grains and flaxseed was estimated as follows, with closing stocks for the previous year shown in brackets: oats 104.9 (95.2), barley 76.9 (53.5), rye 7.7 (3.3) and flaxseed 2.4 (1.2) million bushels. These year-end supplies were, with the exception of flaxseed, all well above the 1941-50 average carry-overs.

A new wheat production record has been established by Canada's 1952 crop which is currently estimated by the Dominion Bureau of Statistics at 688.0 million bushels. The previous high yield was the 1928 crop of 567.0 million bushels.

The 1951 outturn has now been revised to 553.0 million bushels following completion of unprecedented spring harvesting operations.

Canadian coarse grain and flaxseed production in 1952 reflected moderate increases in all grains excepting oats according to November estimates as follows, with 1951 outturns shown in brackets: oats 466.1 (488.2), barley 291.3 (245.2), rye 24.6 (17.6), and flaxseed 13.0 (9.9) million bushels. Barley production represents an all time record—32.0 million bushels greater than the previous high yield of 259.0 millions in 1942.

More detailed production, distribution and carry-over statistics may be found in Tables H-1 to H-4 of this appendix.

Farm Deliveries

Western farm wheat deliveries for the 1951-52 crop season amounting to 454.0 million bushels were increased in volume over both the marketings of the previous season (368.0 millions) and the average for the years 1946-47 to 1950-51 (312.4 million bushels).

Western Farm Wheat Deliveries—Season 1951-52

Delivered to	Manitoba	Saskat-	Alberta and British Columbia	Total Deliveries		
				1951-52	1950-51	5-year Average 1946-47 to 1950-51
	bu.	bu.	bu.	bu.	bu.	bu.
Country Elevators.....	43,981,436	272,461,933	130,697,124	447,140,493	362,860,532	309,058,400
Interior Private and Mill Elevators.....	1,043,763	3,075,817	1,947,422	6,067,002	3,974,856	2,910,726
Interior Terminal Elevators (Street Receipts).....	2,018	1,756	23,128	26,902	110,050	32,823
Loaded over Platforms....	199,947	243,408	98,697	542,052	454,382	420,784
From farms direct to U.S.A. by truck ¹	16,152	3,376	660	20,188	53,863	23,398
Totals.....	45,243,316	275,786,290	132,767,031	453,796,637	367,453,733	312,446,131
Production (Gross).....	52,000,000	325,000,000	154,525,000	531,525,000 ²	429,418,000 ³	370,364,200 ³
Percentage Deliveries to Production ²	88.90	86.70	87.79	87.23	87.70	86.67

¹ Dominion Bureau of Statistics—customs clearances.² Calculated on a net production basis.³ Includes production figures for British Columbia.

Lake Transportation

The S.S. *Scott Misener* arrived at the lakehead at 10:20 a.m. on April 3, 1952, to open the 1952 season of navigation at the head of the lakes. This date represents the third earliest opening on records extending back to 1918. The final grain vessel of the 1952 season, the S.S. *Mohawk Deer*, cleared Fort William-Port Arthur at 4 p.m. on December 18th.

Vessel clearances from the Twin Cities during the 1952 season of navigation totalled 450.8 million bushels of the five principal grains for the third heaviest shipping volume in the history of the lakehead terminals. The all-time record lake movement was established in 1945 when 483.7 million bushels were loaded to vessels from grain elevators at Fort William-Port Arthur.

Lake wheat cargoes during the current season of navigation amounted to 246.1 million bushels, representing a gain over 1951 of approximately 44.7 millions. During the record season of 1945 a total of 344.4 million bushels of wheat were carried by lake vessels from Fort William-Port Arthur, but over the past five years wheat shipments have fluctuated around an average yearly movement of 160.0 million bushels.

Combined lake and rail shipments from the terminals at the head of the lakes for the 1951-52 crop year totalled 475.1 million bushels of which 54.6 millions moved eastward by rail.

Freight Rates

The current season of navigation opened with lake freight rates on the movement of wheat from lakehead terminals ruling 5·5c. to 16c. per bushel over the Georgian Bay to Lower St. Lawrence ports range, unchanged from charges prevailing during 1951, and remained at that level throughout the 1952 season with exception of the adjustment permitted for December loadings of a 2c. per bushel maximum allowable increase.

Weighted Average of Lake Freight Rates for Wheat Cargoes Season of Navigation 1952

Fort William-Port Arthur to:	April to November	December	Average	Average
			for Season 1952	for Season 1951
cents per bushel				
Georgian Bay Ports.....	5·50	6·692	5·622	5·595
Port Colborne-Humberstone.....	7·50	8·556	7·532	7·541
Toronto.....	8·00	—	8·00	8·00
Kingston.....	8·75	—	8·75	—
Prescott.....	9·00	—	9·00	9·00
St. Lawrence Ports.....	16·00	—	16·00	16·00

The rate on wheat cargoes to Buffalo for the season (8·956c. Canadian) reflected a slight drop from the weighted average rate for 1951. Wheat freight rate charges to Duluth were quoted at 5c. to 5·5c. according to shipping date. A limited number of cargoes moved to Chicago at 7·5c. and 9c. and to Oswego at 11c. and 11·25c.

Inland Water Freight Rates Act

In accordance with provisions of the "Inland Water Freight Rates Act, 1923", as amended, copies of vessel charter confirmations for all lake grain cargoes shipped from the lakehead during the 1952 season of navigation, were filed by shippers with this office.

Monthly statements of weighted lake freight rate averages have been prepared from charter confirmation returns for release to those interested in these statistics.

Export Clearances

Canadian wheat and wheat flour exports for the 1951-52 crop year amounting to 356 million bushels were 115 millions above foreign shipments during the previous season (240·9 millions) and approximately 129 millions heavier than the average clearances over the five-year period 1946-47 to 1950-51. These wheat exports were the second highest on record, although still substantially below the 407·6 million bushels of wheat and wheat flour established as an all time record export volume in 1928-29.

The wheat flour portion of these exports, amounting to 51·1 millions (wheat equivalent), reflected a 4·8 million bushel decline from last year's returns, and a noticeable drop in the percentage of total wheat and wheat flour moving in flour form, which this year stood at 14·4% against the 1950-51 level of 23·2%.

Canadian Atlantic Seaboard ports handled approximately 56·8% of the total ocean wheat tonnage for the 1951-52 crop season, with vessel cargoes from Canadian Pacific ports accounting for 38·8% of the total traffic. The port of Churchill exceeded all previous records by loading out 7·5 million bushels which represented 2·8% of total Canadian overseas wheat cargoes. Export shipments clearing from U.S. Atlantic Seaboard ports moved up to the highest level of the past three years (3·9 millions—1·6%).

Further Canadian grain export data are contained in tables Appended to the this report.

Insurance

Insurance policies on in-store grain have been filed by public country, semi-public and Eastern elevators with this office as provided under Section 102 of The Canada Grain Act, 1930, as amended, and related Orders-in-Council and regulations. Certified policy copies of certified listings have been examined to ascertain that they conform to the required protection for owners of stored grains.

Prices

In compliance with Section 21 of The Canada Grain Act, 1930, as amended, grain price records for the principal grain markets were maintained in this office, and weekly, monthly and annual statements covering price statistics of interest to the trade have been released throughout the year.

Annual Weigh-over

All audit statements required in connection with the weigh-over during the year of grain in terminal and Eastern elevators by the Inspection and Weighing Departments of the Board, under authority of Sections 138 and 138A of the Canada Grain Act, 1930, as amended, have been compiled and submitted to the Board.

General

The staff of the Statistics Branch was strengthened by the appointment of an Assistant Statistician in March of 1952.

In July, 1952, the Board issued instructions that the Statistics Branch was to be transferred from Fort William to Winnipeg. Preliminary arrangements have been completed and this transfer will be effected in January of 1953.

It is with regret that we record the passing in March of 1952 of Mr. E. A. Ursell, one of the original members of this Branch and for 29 years Statistician to the Board.

Respectfully submitted,

E. E. BAXTER,

Chief Statistician.

Table H-1.—July 31 Carry-Over of Canadian Wheat, 1950 to 1952

	1950	1951	1952
	bu.	bu.	bu.
On Farms—Estimated.....	12,389,000	22,260,000	19,262,000
In Country, Private Terminal, and Mill Elevators.....	28,520,704	82,834,693	99,885,867
In Public and Semi-Public Elevators.....	29,968,821	48,006,907	28,018,842
In Store and Afloat Eastern Elevators.....	31,419,680	17,698,467	42,114,122
In Eastern Flour Mills.....	1,602,485	1,990,847	1,638,000
In Transit Rail—East and West.....	8,298,853	14,398,649	19,812,200
In Store and In Transit in the United States.....	—	2,013,104	2,243,683
Totals.....	112,199,543	189,202,667	212,974,714

Table H-2.—Supply and Disposition of Canadian Grain, Crop Year 1951-52

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Carry-over at Aug. 1, 1951.....	189,202,667	95,177,487	53,496,371	3,298,681	1,203,778
Production.....	552,657,000	488,191,000	245,218,000	17,647,000	9,897,000
Total Supply.....	741,859,667	583,368,487	298,714,371	20,945,681	11,100,778
Total Disposition.....	528,884,953	478,472,125	221,776,044	13,269,145	8,666,227
Carry-over at July 31, 1952.....	212,974,714	104,896,362	76,938,327	7,676,536	2,434,551

Table H-3.—Exports of Canadian Grain and Grain Products, Crop Years 1950-51 and 1951-52

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Crop Year 1951-52.....	304,721,956	69,579,045	69,915,314	6,819,536	2,881,803
Wheatflour, Oatmeal, etc., equivalent to.....	51,103,296	1,067,339	—	—	—
Totals.....	355,825,252	70,646,384	69,915,314	6,819,536	2,881,803
Crop Year 1950-51.....	185,039,364	34,717,707	23,075,989	9,367,374	4,131,129
Wheatflour, Oatmeal etc., equivalent to.....	55,921,482	679,406	—	—	—
Totals.....	240,960,846	35,397,113	23,075,989	9,367,374	4,131,129

Table H-4.—Production, Producers' Marketings, and Inspections of Grain in Western Canada, by Provinces, Crop Year 1951-52

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Production— ¹					
Manitoba.....	52,000,000	58,000,000	56,000,000	835,000	5,000,000
Saskatchewan.....	325,000,000	148,000,000	73,000,000	9,800,000	2,300,000
Alberta and British Columbia...	154,525,000	138,738,000	106,284,000	5,405,000	1,637,000
Totals.....	531,525,000	344,738,000	235,284,000	16,040,000	8,937,000

Table H-4.—Production, Producers' Marketings, and Inspections of Grain in Western Canada, by Provinces, Crop Year 1951-52—concluded

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Producers' Marketings at: ²					
Country Elevators— ³					
Manitoba.....	43,981,436	24,198,218	35,725,997	738,389	3,262,707
Saskatchewan.....	272,461,933	63,443,239	46,438,485	6,957,130	1,816,726
Alberta.....	130,697,124	41,351,825	45,047,921	3,674,956	984,624
Totals.....	447,140,493	128,993,282	127,212,403	11,370,475	6,064,057
Loaded over Platforms—					
Manitoba.....	199,947	88,137	143,382	—	4,818
Saskatchewan.....	243,408	46,709	76,690	6,422	13,270
Alberta.....	98,697	88,875	47,368	3,535	1,373
Totals.....	542,052	223,721	267,440	9,957	19,461
Interior Public and Semi-Public Terminals—					
Manitoba.....	2,018	6,991	12,995	94	—
Saskatchewan.....	1,756	—	—	—	—
Alberta.....	23,128	291,118	141,709	3,516	4,405
Totals.....	26,902	298,109	154,704	3,610	4,405
Interior Private and Mill Elevators— ³					
Manitoba.....	1,043,763	181,724	55,703	—	192,216
Saskatchewan.....	3,075,817	406,459	204,483	23,443	23,263
Alberta.....	1,947,422	619,938	175,513	93,817	94,845
Totals.....	6,067,002	1,208,121	435,699	117,260	310,324
Trucked from Farms into United States— ⁴					
Manitoba.....	16,152	33	50	—	—
Saskatchewan.....	3,376	—	4,251	—	—
Alberta.....	660	3,263	2,366	108	—
Totals.....	20,188	3,296	6,667	108	—
Total Producers' Marketings—					
Manitoba.....	45,243,316	24,475,103	35,938,127	738,483	3,459,741
Saskatchewan.....	275,786,290	63,896,407	46,723,909	6,986,995	1,853,259
Alberta.....	132,767,031	42,355,019	45,414,877	3,775,932	1,085,247
Totals.....	453,796,637	130,726,529	128,076,913	11,501,410	6,398,247
Inspections of Grain Grown in— ⁵					
Manitoba.....	45,412,454	23,618,372	34,635,598	668,307	2,900,777
Saskatchewan.....	265,716,939	67,151,461	46,066,076	5,999,872	1,994,640
Alberta and British Columbia.....	110,368,344	24,832,558	28,128,435	2,548,596	644,267
Totals.....	421,497,737	115,602,391	108,830,109	9,216,775	5,539,684

¹ Gross production estimates by Dominion Bureau of Statistics.

² Points in Ontario west of Fort William are included in Manitoba figures; country points in the Peace River valley situated in British Columbia are included in Alberta figures.

³ Subject to revision.

⁴ Customs returns, Dominion Bureau of Statistics.

⁵ Cars inspected converted to bushels, using the average net bushel out-turn per car inspected for each grain.

Table H-5.—Primary Receipts and Shipments of Canadian Grain at Eastern Elevators, Crop Year 1951-52

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Receipts.....	230,051,338	35,834,711	69,186,696	4,422,562	4,857,827
Shipments.....	214,956,738	35,756,959	64,962,216	4,259,648	4,586,116
	Corn	Beans	Buckwheat	Peas	Mixed Grain
	bu.	bu.	bu.	bu.	lb.
Receipts.....	2,920,823	756,966	253,939	—	1,741,790
Shipments.....	2,701,747	404,431	258,799	—	1,259,830

Table H-6.—Receipts and Shipments of United States Grain at Eastern Elevators, Crop Year 1951-52

—	Wheat	Oats	Barley	Flaxseed	Corn	Beans
	bu.	bu.	bu.	bu.	bu.	bu.
Receipts.....	18,674	—	—	457,485	3,585,374	162,193
Shipments.....	460,932	36,299	1,649,820	626,985	4,202,145	173,595

Table H-7.—Shipments of Foreign Grain from Canadian Elevators into Canadian Consumptive Channels, Crop Year 1951-52

—	United States						
	Wheat	Oats	Barley	Rye	Flaxseed	Corn	Beans
	bu.	bu.	bu.	bu.	bu.	bu.	bu.
Ex. Eastern Elevators.....	107	—	154	—	626,985	3,260,811	153,193
Fort William-Port Arthur.....	—	—	—	—	—	24,900	—
Interior Terminals.....	—	—	—	—	—	6,637	—
Interior Private and Mill Elevators.....	—	—	—	19,468	—	461,751	—
Pacific Coast Elevators.....	—	—	—	—	—	94,924	—

Table H-8.—Primary Receipts and Shipments of Canadian Grain at Terminal Elevators, Crop Year 1951-52

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Fort William-Port Arthur—					
Receipts.....	250,591,909	98,926,843	89,248,883	9,081,014	5,377,539
Shipments.....	267,681,022	104,130,692	91,336,172	7,047,731	4,933,434
Vancouver-New Westminster—					
Receipts.....	106,647,968	4,616,158	6,420,683	1,938	65
Shipments.....	102,341,761	4,644,189	5,847,487	2,130	489
Victoria—					
Receipts.....	—	—	—	—	—
Shipments.....	—	—	—	—	—
Prince Rupert—					
Receipts.....	2,636,337	85	3,956,552	—	—
Shipments.....	2,625,489	2,085	3,500,431	—	—
Churchill—					
Receipts.....	7,353,701	332	—	—	90
Shipments.....	7,545,444	22,832	—	—	—
North Transcona—					
Receipts.....	836,979	75,442	83,532	12,629	7,905
Shipments.....	364,408	102,430	82,430	12,629	8,421
Kenora—					
Receipts.....	234,178	120	—	—	—
Shipments.....	10,884	—	—	—	—

Table H-9.—Receipts and Shipments of Canadian Grain at Canadian Government Interior Terminal Elevators, Crop Year 1951-52

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Receipts—					
Calgary.....	2,465,471	20,466	1,389,808	4,741	—
Edmonton.....	3,263,931	310,054	155,201	—	5,509
Lethbridge.....	1,033,212	—	12,078	3,516	—
Moose Jaw.....	2,664,824	2,165	12,814	3,107	716
Saskatoon.....	2,985,461	934	9,245	—	—
Totals.....	12,412,899	333,619	1,579,146	11,364	6,225
Shipments—					
Calgary.....	2,564,999	20,326	1,323,217	34,668	—
Edmonton.....	3,796,155	318,554	157,855	—	4,550
Lethbridge.....	924,454	—	11,961	3,215	—
Moose Jaw.....	4,938,176	2,632	12,352	3,107	716
Saskatoon.....	4,900,582	383	7,814	—	—
Totals.....	17,124,366	341,895	1,513,199	40,990	5,266

Table H-10.—Receipts and Shipments of Canadian Grain at Duluth-Superior,¹ Crop Year 1951-52

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Receipts.....					
	6,239,921	1,621,882	1,899,059	—	—
Shipments.....					
	6,767,191	1,451,718	1,899,059	—	—

¹ Includes duty-paid imports but does not include Canadian Wheat shipped to Duluth-Superior for drying in bond.

Table H-11.—Exports of Canadian Wheat, by Seaboard Sectors, by Months, Crop Year 1951-52

Month	Via Canadian Pacific Ports	Via Canadian St. Lawrence- Atlantic Ports	Via Churchill	Via Fort Arthur Direct	Via United States Atlantic Ports	United States Imports ¹	Total All Wheat	Wheat Flour ²	Total Wheat and Wheat Flour
		bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
1951									
August.....	6,488,058	8,067,908	2,310,625	—	54,415	2,240,001	—	19,161,007	2,581,308
September.....	3,402,511	7,962,720	4,569,648	—	791,039	2,304,075	72,417	19,102,410	3,151,026
October.....	6,830,084	16,534,524	398,170	—	1,400	3,278,583	551,662	27,594,423	3,850,744
November.....	8,086,632	21,743,518	—	—	—	4,323,275	1,363,340	35,516,765	4,032,431
December.....	7,048,670	4,737,105	—	—	289,333	3,780,799	920,108	16,776,015	3,682,962
1952									
January.....	10,139,397	4,242,846	—	—	—	1,598,437	22,000	16,002,680	3,406,766
February.....	10,126,618	4,454,903	—	—	1,428,315	2,158,286	415,991	18,584,263	4,179,564
March.....	9,272,513	6,034,619	—	—	568,656	1,215,323	—	17,091,111	5,353,506
April.....	11,159,874	5,114,787	—	—	382,294	2,418,678	923,043	19,998,676	4,388,639
May.....	10,131,920	25,061,004	—	53,886	303,388	2,199,987	524,842	38,275,027	5,734,625
June.....	10,455,105	23,149,951	—	61,975	103,008	2,498,508	2,055,568	38,324,115	6,101,397
July.....	10,042,693	24,104,582	267,000	—	63,282	3,339,316	478,591	38,295,464	4,639,428
Totals Crop Year 1951-52.....	103,184,105	151,208,557	7,545,443	115,861	3,985,160	31,355,268	7,327,562	304,721,936	51,163,296
Totals Crop Year 1950-51.....	64,789,295	91,478,256	6,767,743	118,589	1,582,292	14,841,533	5,461,836	185,039,361	55,921,482
5-year Average 1946-47 to 1950-51.....	55,716,998	92,233,178	5,102,848	63,543	7,838,016	3,752,067	4,418,271	169,124,921	58,128,596

¹ Compiled from returns of Canadian elevator licensees and shippers and advice from American grain correspondents.² Canadian Customs Returns, published by the Dominion Bureau of Statistics, adjusted to remove effect of time lag in returns made by the Customs.

Table H-12.—Overseas Exports of Canadian Grain, by Seaboard Sectors, by Grades, Crop Year 1951-52

Grades	Via Canadian Pacific Ports	Via ¹ Canadian St. Lawrence- Atlantic Ports	Via United States Atlantic Ports	Total
	bu.	bu.	bu.	bu.
Wheat—				
1 Manitoba Northern.....	1,837,163	172,171	1,400	2,010,734
2 Manitoba Northern.....	8,276,287	5,573,573	75,505	13,925,365
3 Manitoba Northern.....	39,659,446	24,172,190	401,569	64,233,205
4 Manitoba Northern.....	38,819,770	30,483,588	65,819	69,369,177
No. 5.....	7,683,025	38,344,157	2,215,717	48,242,899
No. 6.....	388,267	6,242,065	7,181	6,637,513
Feed.....	98,821	93,174	—	191,995
Tough 2 Manitoba Northern.....	111,066	536,490	—	647,556
Tough 3 Manitoba Northern.....	1,657,354	29,741,169	3,489	31,402,012
Tough 4 Manitoba Northern.....	1,800,803	11,723,472	—	13,524,275
Tough No. 5.....	649,600	2,903	—	652,503
2 C.W. Garnet.....	158,578	—	—	158,578
3 C.W. Garnet.....	1,578,959	—	—	1,578,959
Tf. 2 C.W. Garnet.....	—	33,000	—	33,000
Tf. 3 C.W. Garnet.....	—	64,941	—	64,941
1 Alberta Red Winter.....	98,299	—	—	98,299
2 Alberta Winter.....	307,307	—	—	307,307
3 Alberta Winter.....	59,360	—	—	59,360
Other Western.....	—	244,862	—	244,862
Eastern.....	—	2,313,529	50,202	2,363,731
2 C.W. Amber Durum.....	—	26,003	—	26,003
3 C.W. Amber Durum.....	—	5,169,888	1,164,278	6,334,166
4 C.W. Amber Durum.....	—	3,785,640	—	3,785,640
Tf. 4 C.W. Amber Durum.....	—	147,046	—	147,046
Totals.....	103,184,105	158,869,861	3,985,160	266,039,12
Oats—				
2 C.W.....	—	23,137	—	23,137
Ex. 3 C.W.....	—	152,678	195,085	347,763
3 C.W.....	—	2,082,121	—	2,082,121
Ex. 1 Feed.....	79,383	19,996	118,392	217,771
1 Feed.....	950,847	4,805,366	1,016,094	6,772,307
3 Feed.....	—	30,249	—	30,249
Mixed Feed.....	588	668,401	—	668,989
Tf. Ex. 1 Feed.....	—	—	103,255	103,255
Tf. 1 Feed.....	79,059	13,172	—	92,231
Other Western.....	—	72,386	—	72,386
Eastern.....	—	595,326	—	595,326
Totals.....	1,109,877	8,462,832	1,432,826	11,005,535
Barley—				
3 C.W. Six-Row.....	14,079	6,453,221	483,224	6,950,524
4 C.W. Six-Row.....	2,297	—	—	2,297
2 C.W. Two-Row.....	—	7,660	—	7,660
3 C.W. Two-Row.....	26,678	1,440,915	—	1,467,593
1 Feed.....	8,108,748	26,124,756	144,783	34,378,287
2 Feed.....	895,737	6,264,737	25,413	7,185,887
3 Feed.....	12,081	1,263,444	—	1,275,525
Tough 3 C.W. Six-Row.....	—	130,338	—	130,338
Tough 2 C.W. Two-Row.....	—	8,746	—	8,746
Tough 3 C.W. Two-Row.....	—	76,947	—	76,947
Tf. 1 Feed.....	2,297	5,967,523	13,551	5,983,371
Tf. 2 Feed.....	—	1,778,251	49,995	1,828,246
Other Western.....	55,699	328,756	—	384,455
Eastern.....	—	14,985	—	14,985
Totals.....	9,117,616	49,860,279	716,966	59,694,861
Rye—				
2 C.W.....	—	2,156,513	576,225	2,732,738
3 C.W.....	—	1,522,823	277,834	1,800,657
Totals.....	—	3,679,336	854,059	4,533,395
Flaxseed				
1 C.W.....	71	2,216,873	—	2,216,944
2 C.W.....	—	613,571	—	613,571
3 C.W.....	—	30,223	—	30,223
Other Western.....	—	20,820	—	20,820
Totals.....	71	2,881,487	—	2,881,558

¹ Includes clearances via the Port of Churchill and via Fort William-Port Arthur direct.

Table H-13.—Overseas Exports of Canadian Grain, by Ports, Crop Year 1951-52.

Loaded at	Wheat	Oats	Barley	Rye	Flaxseed	Grand Total All Grains
Vancouver-New Westminster.....	bu. 100,558,616	bu. 1,109,877	bu. 5,617,185	bu. —	bu. 71	bu. 107,285,749
Victoria.....	2,625,489	—	3,500,431	—	—	6,125,920
Prince Rupert.....	87,800,686	5,393,312	31,021,436	3,226,497	2,383,302	129,825,233
Montreal.....	11,442,782	252,762	7,404,093	452,839	—	19,552,476
Sorel.....	15,666,367	—	—	—	—	15,666,367
Three Rivers.....	17,348,748	2,433,217	6,529,165	—	—	26,311,130
Quebec.....	1,051,832	—	—	—	—	1,051,832
St. John.....	10,091,758	363,549	2,765,468	—	450,705	13,671,480
Halifax.....	7,806,384	19,992	2,140,117	—	47,480	10,013,973
Churchill.....	7,545,443	—	—	—	—	7,545,443
Fort William-Port Arthur (Direct).....	115,861	—	—	—	—	115,861
Totals—Canadian Ports.....	262,053,966	9,572,709	58,977,895	3,679,336	2,881,558	337,165,464
Albany.....	788,071	1,133,741	—	—	—	1,921,812
Baltimore.....	700,765	143,490	—	617,317	—	1,461,572
Boston.....	2,077,491	—	716,966	—	—	2,794,457
New York.....	3,800	—	—	—	—	3,800
Norfolk.....	415,033	155,595	—	174,484	—	174,484
Philadelphia.....	—	—	—	62,258	—	632,886
Totals—U.S.A. Ports.....	3,985,160	1,452,826	716,966	854,059	—	6,989,011
Totals to Overseas.....	266,039,126	11,005,535	59,694,861	4,533,395	2,881,558	344,154,475
Wheat Flour ¹	51,103,296	—	—	—	—	51,103,296
Rolled Oats and Oatmeal ²	—	1,067,339	—	—	—	1,067,339
U.S.A. Imports ³	38,682,830	58,573,510	10,220,454	2,286,141	245	109,763,180
Grand Totals.....	355,825,252	70,646,384	69,915,315	6,819,536	2,881,803	506,088,290

¹ Canadian Customs returns, converted to bushels, adjusted to remove effect of time lag in reports made by the Customs.

² Canadian Customs returns converted to bushels.

³ Compiled from returns of Canadian Elevator licensees and shippers and advice from American grain correspondents.

Table H-14.—Weighted Average Lake Freight Rates on Canadian Grain from Fort William-Port Arthur, Season of Navigation 1952

Port of Discharge	Wheat	Oats	Barley	Rye	Flaxseed
cents per bushel					
Georgian Bay Ports, Goderich, Sarnia and Walkerville.....	5.622	5.022	5.369	5.55	—
Humberstone.....	7.555	6.75	7.25	7.50	—
Port Colborne.....	7.527	6.776	7.258	7.50	—
Toronto.....	8.00	7.25	7.50	—	8.037
Kingston.....	8.75	8.00	8.25	8.75	—
Prescott.....	9.00	8.25	8.435	—	—
Montreal.....	16.00	12.541	15.25	16.00	18.876
Montreal via Humberstone.....	16.00	12.50	15.25	—	—
Montreal via Port Colborne.....	16.00	12.50	15.25	16.00	18.00
Montreal via Toronto.....	—	—	15.25	—	—
Montreal via Kingston.....	16.00	12.50	15.25	16.00	18.00
Montreal via Prescott.....	16.00	12.50	15.25	16.00	18.00
Sorel.....	16.00	13.05	15.25	—	—
Sorel via Port Colborne.....	16.00	—	15.25	16.00	—
Sorel via Kingston.....	—	—	15.25	—	—
Sorel via Prescott.....	16.00	—	15.25	—	—
Three Rivers.....	16.00	—	15.25	—	—
Three Rivers via Port Colborne.....	16.00	—	15.25	—	—
Three Rivers via Toronto.....	16.00	—	—	—	—
Quebec.....	16.00	12.995	15.25	—	—
Quebec via Prescott.....	16.00	—	15.25	—	—
Buffalo.....	8.956	6.379	8.101	8.716	—
Chicago.....	8.296	6.506	—	8.856	—
Detroit.....	6.854	—	8.008	—	—
Duluth-Superior.....	5.221	2.921	5.583	6.257	—
Erie.....	9.00	—	—	—	—
Huron.....	7.595	5.579	—	—	—
Manitowoc.....	—	—	9.00	—	—
Milwaukee.....	9.50	7.025	8.208	9.00	—
Oswego.....	11.131	8.00	—	—	—
Toledo.....	—	7.937	—	—	—

Note.—Rates originally quoted in American Funds have been converted at the prevailing rates of exchange.

Table H-15.—Monthly Average Fixed Western Grain Prices and Open Market Closing Cash Quotations, Crop Year 1951-52

Grain and Grade	1951			1952			cents and eighths per bushel	Yearly Average		
	Aug.	Sept.	Oct.	Jan.	Feb.	March				
CANADIAN WHEAT BOARD CASH PRICES										
WHEAT¹										
Initial Payment to Producers:										
1951-52 Pool—										
1 Hard.....	160	160	160	160	160	160	160	160		
1 Northern.....	160	160	160	160	160	160	160	160		
1.5 Hard.....	157	157	157	157	157	157	157	157		
1.5 Northern.....	154	154	154	154	154	154	154	154		
1.5 Northern.....	146	146	146	146	146	146	146	146		
1.5 Northern.....	136	136	136	136	136	136	136	136		
1.5 Number 5 Wheat.....	126	126	126	126	126	126	126	126		
1.5 Number 6 Wheat.....	120	120	120	120	120	120	120	120		
1.5 Feed Wheat.....										
Domestic and Export ² (International Wheat Agreement)—										
1 Hard.....	190	190	189.2	187.7	184.5	180.7	180.2	179.3		
1 Northern.....	190	190	189.2	187.7	184.5	180.7	180.2	179.3		
1.5 Hard.....	188	187	187.2	185.7	182.5	178.7	178.2	177.3		
1.5 Northern.....	186	186	185.2	183.7	180.5	176.7	176.2	175.2		
1.5 Northern.....	182	182	179.2	179	174.5	170.7	170.2	169.3		
1.5 Number 5 Wheat.....	179	179	179.2	179	174.5	170.7	170.2	169.3		
1.5 Number 6 Wheat.....	179	179	179.2	179	174.5	170.7	170.2	169.3		
1.5 Number 6 Wheat.....	179	179	179.2	179	174.5	170.7	170.2	169.3		
1.5 Feed Wheat.....	179	179	179.2	179	174.5	170.7	170.2	169.3		
1.5 C.W. Garnet.....	147	148	148.4	154.7	153.5	150.3	151.2	147.5		
1.5 C.W. Garnet.....	147	147	148.4	154.7	153.5	150.3	151.2	147.5		
1.5 C.W. Garnet.....	186	186	185.2	184.3	182.5	178.7	178.2	174.5		
1.5 C.W. Garnet.....	186	186	185.2	184.3	182.5	177.2	176.2	173.5		
1.5 C.W. Garnet.....	182	182	181.2	180.7	178.5	174.7	174.2	170.5		
1.5 Alberta Red Winter.....	190	190	189.2	187.7	184.5	180.7	180.2	179.2		
1.5 Alberta Winter.....	188	188	187.2	185.7	182.5	178.7	178.2	177.2		
1.5 Alberta Winter.....	188	188	187.2	185.7	182.5	178.7	178.2	177.2		
1.5 Alberta Winter.....	183	183	182.2	187.7	184.5	176.7	176.2	175.5		
1.5 C.W. Amber Durum.....	190	190	189.2	187.7	184.5	180.7	180.2	179.2		
1.5 C.W. Amber Durum.....	188	188	187.2	185.7	182.5	178.7	178.2	177.2		
1.5 C.W. Amber Durum.....	186	186	185.2	184.5	181.5	177.7	177.2	176.2		
Export—Class 2—										
1 Hard.....	236	240	239.6	242.7	244	241.7	240	230.6		
1 Northern.....	236	240	239.6	242.7	244	241.7	240	230.6		
1.5 Northern.....	234	238	237.6	240.7	242	239.7	238	224.6		
1.5 Northern.....	232	236	235.6	238.7	240	237.7	236	226.6		
1.5 Northern.....	228	229/1	232/4	232/7	234	231/7	230	220.6		
1.5 Number 5 Wheat.....	185.3	174	172.2	177.3	176.5	173.6	173.2	169.5		
1.5 Number 6 Wheat.....	160/5	160/6	166.7	165.5	162.3	163.2	162.2	159.5		
1.5 Feed Wheat.....	152/6	153	154.4	160/7	159.5	156.3	157.2	153.5		

1 C.W. Amber Durum.....	236	240	239/6	242/7	244	241/7	241	234/5	236/4	233/5	234/1	224/1	218/2	236
2 C.W. Amber Durum.....	234	238	237/6	240/7	242	239/7	238/7	231/5	232/4	231/5	231/4	222/1	216/2	234
3 C.W. Amber Durum.....	232	236	235/6	239/5	241	238/7	233/7	230/5	231/4	230/5	231/4	221/1	215/2	232/3
Oats— ³														
Initial Payment to Producers:														
1951-52 Pool—														
2 C.W.	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Ex. 3 C.W.	62	62	62	62	62	62	62	62	62	62	62	62	62	62
3 C.W.	62	62	62	62	62	62	62	62	62	62	62	62	62	62
Ex. 1 Feed.														
1 Feed.														
2 Feed.														
3 Feed.														
Domestic and Export— ⁴														
2 C.W.														
Ex. 3 C.W.														
3 C.W.														
Ex. 1 Feed.														
1 Feed.														
2 Feed.														
3 Feed.														
BARLEY— ³														
Initial Payment to Producers:														
1951-52 Pool—														
1 C.W. Six-Row.....	118	118	118	118	118	118	118	118	118	118	118	118	118	118
2 C.W. Six-Row.....	118	118	118	118	118	118	118	118	118	118	118	118	118	118
1 C.W. Two-Row.....	111	111	111	111	111	111	111	111	111	111	111	111	111	111
2 C.W. Two-Row.....	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 C.W. Six-Row.....	116	116	116	116	116	116	116	116	116	116	116	116	116	116
2 C.W. Yellow.....	110	110	110	110	110	110	110	110	110	110	110	110	110	110
3 C.W. Yellow.....	108	108	108	108	108	108	108	108	108	108	108	108	108	108
4 C.W. Six-Row.....	110	110	110	110	110	110	110	110	110	110	110	110	110	110
3 C.W. Two-Row.....	108	108	108	108	108	108	108	108	108	108	108	108	108	108
1 Feed.....	107	107	107	107	107	107	107	107	107	107	107	107	107	107
2 Feed.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3 Feed.....	95	95	95	95	95	95	95	95	95	95	95	95	95	95
Domestic and Export— ⁴														
1 C.W. Six-Row.....														
2 C.W. Six-Row.....														
1 C.W. Two-Row.....														
2 C.W. Two-Row.....														
3 C.W. Six-Row.....														
2 C.W. Yellow.....														
3 C.W. Yellow.....														
4 C.W. Six-Row.....														
3 C.W. Two-Row.....														
1 Feed.....														
2 Feed.....														
3 Feed.....														
105/7	115/7	128/1	137/4	132/1	136/5	132/1	129/1	111/3	111/3	111/3	111/3	111/3	110/4	108/5

Table H-15.—Monthly Average Fixed Western Grain Prices and Open Market Closing Cash Quotations, Crop Year 1931-52—concluded

Grain and Grade	1951						1952						Yearly Average
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	
WINNIPEG GRAIN EXCHANGE CASH QUOTATIONS^a													
Oats—													
Domestic and Export—													
C.W. 56/5	82/6	86/5	94/5	107/7	99	95/4	92/5	97	91/5	80/1	79/3	80/5	90/6
C.W. 61/1	81/1	86/1	94/3	107/7	97/6	94/4	91/5	96	90/5	77/6	76/7	78	89/4
C.W. 65/7	80/4	85/7	94/2	107/7	97	92/4	89/5	89/5	86/6	76	76/2	77/6	88/2
C.W. 71/1	80/4	85/7	94/2	107/6	97/6	92/2	89	86/1	76	75/7	75/7	77/5	88
Ex. 1 Feed													
1 Feed													
2 Feed													
3 Feed													
Barley—													
Domestic and Export—													
C.W. Six-Row	122/4	129/7	143/4	148/1	140/3	142	135/2	131	124/1	121	124/4	129	132/5
C.W. Six-Row	122/4	129/7	143/4	148/1	140/3	142	135/2	131	124/1	121	124/4	129	132/5
C.W. Two-Row	120/4	127/7	141	143/4	138/7	142	135/2	131	124/1	121	124/4	129	131/4
C.W. Two-Row	120/4	127/7	141	143/4	138/7	142	135/2	131	124/1	121	124/4	127/5	131/4
C.W. Six-Row	119/4	126/7	141	144/3	138/7	141/3	134/2	130	122/2	118/7	123	126/3	130/5
C.W. Yellow	119/4	126/1	138/5	143/3	138/7	141/3	134/2	130	122/2	118/6	120/3	119/3	129/3
C.W. Six-Row	117/4	124/4	137/1	143/2	136/7	140/6	133/5	127/1	119	116	118/3	117/1	127/5
C.W. Two-Row	115/2	123/1	136/2	143/2	136	140/4	133/5	127/1	118/7	115	117/1	126/7	128/7
1 Feed													
2 Feed													
3 Feed													
Rye—													
Domestic, Export and Producers' Prices—													
C.W.	173/2	177/6	190	200/6	214/2	207/5	192/4	198	191/7	189/1	198/2	190/7	193/5
C.W.	168/4	172/6	185	195/6	209/2	202/5	187/4	193	187/1	184/1	193/2	185/7	188/6
C.W.	163/3	163/3	173/5	182/5	196/2	189/3	161	160/2	159/3	166	178/7	167/7	171/4
Ergoty.	154/3	159/3	171/5	180/5	194/2	187/3	157/1	155/2	164/3	164/3	164/3	173/7	168/1
Rejected C.W.	156/3	161/3	173/5	182/5	196/2	189/6	164/3	165/2	164/3	171	183/7	176	173/6
Flaxseed—													
Domestic, Export and Producers' Prices—													
C.W.	407/4	422/5	451/4	484/2	491/6	484/4	452	420/4	363/3	378/4	392/1	389	428/1
C.W.	401/3	416/2	445/7	477/4	485/5	477/4	444/3	414/4	348/3	373/4	387/1	384	422/1
C.W.	347/5	361/6	372/3	423	430/7	425/1	393/6	362/6	313/1	329/2	352/2	361	372/6

^a Basis in Store Fort William—Port Arthur or Vancouver.^b Plus 6 cents carrying charge.^c Basis in Store Fort William—Port Arthur.^d For Local Sales and for Spot Sales subject to confirmation.

Table H-16.—Tough and Damp Grain Dried at Different Points, 1951-52 Crop Year

LAKEHEAD

Grain	Artificial Drying			Natural Drying	Total
	Tough	Damp	Tough and Damp		
	bu.	bu.	bu.	bu.	bu.
Wheat.....	9,282,703	24,136,173	33,418,876	14,157,166	47,576,042
Durum.....	1,812,825	1,627,176	3,440,001	920,383	4,360,384
Oats.....	1,670,760	10,379,072	12,049,832	6,004,756	18,054,588
Barley.....	6,698,067	10,651,676	17,349,743	6,005,155	23,354,898
Rye.....	1,393,909	377,159	1,771,068	1,073,119	2,844,187
Flax.....	2,455,674	216,910	2,672,584	301,023	2,973,607
Totals.....	23,313,938	47,388,166	70,702,104	28,461,602	99,163,706

PACIFIC COAST

Wheat.....	23,065,329	2,255,422	25,320,751	14,851,917	40,172,668
Oats.....	161,968	3,918	165,886	363,736	529,622
Barley.....	872,157	70,264	942,421	1,036,843	1,979,264
Totals.....	24,099,454	2,329,604	26,429,058	16,252,496	42,681,554

INTERIOR

Wheat.....	2,321,732	7,121,481	9,443,213	1,487,334	10,930,547
Durum.....	—	2,005	2,005	—	2,005
Oats.....	6,813	12,648	19,461	—	19,461
Barley.....	2,642	16,846	19,488	187	19,675
Rye.....	—	3,516	3,516	—	3,516
Flax.....	1,865	3,644	5,509	—	5,509
Totals.....	2,333,052	7,160,140	9,493,192	1,487,521	10,980,713

OTHERS

Wheat—					
Churchill.....	—	31,714	31,714	72,957	104,671
Duluth Superior.....	—	8,288,727	8,288,727	—	8,288,727
Buffalo.....	—	6,081,863	6,081,863	—	6,081,863
Eastern Elevators.....	243,686	1,280,390	1,524,076	—	1,524,076
Grand Totals.....	49,990,130	72,560,604	122,550,734	46,274,576	168,825,310

APPENDIX I

Report of the Chief Chemist

WINNIPEG, Manitoba,
December 17, 1952.

Board of Grain Commissioners,
Winnipeg, Manitoba.

SIRS,—I have the honour to submit the following report on the Board's Research Laboratory for the year 1952.

Quality of 1952 Crops

The quality of 1952 crops of Western Canadian grain is characteristic of similar crops of record size and high grade. Bushel weight of wheat is well above the long-term average, but protein content is down by almost one per cent. In seasons of heavy crops the uptake of nitrogen from the soil is increased but there is a still greater production of starch. As a result, the ratio of protein to starch in the kernels is lowered; the grain is plump and of high bushel weight, but the percentage of protein is lowered.

The milling quality of 1952 wheat is excellent, and dough-handling properties and loaf characteristics are also good. On the other hand, loaf volumes reflect the lower protein contents, especially in lower grades. Macaroni-making quality of durum wheat is excellent, and the malting quality of barley may well prove to be the best on record. For malting purposes, low protein content is advantageous. The flax crop is about equal to last year's crop in oil content, but is slightly lower in iodine value. Since yields and grades are high for all crops, the present season represents a marked improvement over those of the past two years.

Drying of 1951 Crops

The 1951-52 crop year will be long remembered for the colossal effort required to dry the 1951 crop. For the Laboratory, as for many other organizations, this was the big project of the year. During the peak load, from five to eight members of the staff were engaged in this work for several months. Almost 3,000 extra milling and dough tests were made, about double the number usually made in one year.

Four aspects of this project merit comment: drying on farms, in Canadian terminals, in miscellaneous Canadian elevators, and in United States terminals.

When considerable numbers of farm driers were imported or built in the early months of 1952, a problem was created because of the difficulty of detecting damage to wheat through improper drying. Visual inspection is inadequate and a laboratory test must be used. With the co-operation of companies operating country elevators, the Laboratory offered a free testing service, designed to keep farm driers in correct operation. About 130 farm driers were thus serviced; the exact number is difficult to

determine because some driers were moved from one place to another. The Board also required that artificially dried wheat be identified by marking the bill of lading when the wheat was shipped. All carlots so marked were also tested by the Laboratory.

All farm driers, with the exception of one make, were operated satisfactorily by farmers, who must be complimented on the care they exercised in following instructions for the drying of wheat. The exception was a rotating drum drier designed for feed grains. The first of these machines was put into operation at Imperial, Saskatchewan, and the writer made two visits to that town within four days, to investigate the machine and to get the situation under control. Two other machines of the same make were imported into central Saskatchewan, and a fourth was found in southern Alberta. The comparatively small amount of wheat dried in these machines was kept segregated and graded "No. 5 Dried". These driers were subsequently used almost exclusively for feed grains.

In order to handle the extra work involved in controlling farm drying, the Laboratory was forced to devise a more rapid testing procedure. With ample experience and a skilled staff, this problem was solved in three days of intensive investigation. The procedure developed required only 6·5 minutes for milling and a 4·5-minute test of dough quality made with the "Mixograph".

Control of all other drying in Canada and the United States was undertaken in close co-operation with the Inspection Branch. Canadian terminals presented no special problems, since past practice was continued. Tests were made as each drier began to operate and were continued until it was shown that drying was satisfactory; periodic checks were made thereafter. Nor did drying operations in other elevators in Western and Eastern Canada present any difficulties other than the comparatively large number of tests required to control drying of a relatively small amount of wheat.

When drying was begun at Duluth and Superior, the Chief Grain Inspector and the writer inspected all driers. The writer and Mr. W. Beck, who took charge of inspection at Buffalo, also inspected all driers used for Canadian wheat in that city. Suggestions were made for improving temperature control, and for increasing uniformity of temperature, in certain driers. The writer also visited Duluth a second time when difficulty was experienced in bringing a new Shanzer drier into satisfactory operation; the difficulty was diagnosed and corrected. Control of these United States operations was hindered by the time required to transmit samples to Winnipeg for testing. A heavier testing program was thus required since laboratory work ran several days behind the drying operations. In addition, tests were made of all cargoes of dried wheat shipped from Duluth, Superior and Buffalo.

All parties concerned may justifiably take considerable pride in the outcome of these widespread and large-scale drying operations. Not a single complaint, on impairment of milling and baking quality through improper drying, has been received from any domestic or foreign purchaser of Canadian wheat.

Assistance to Inspection Branch

In addition to collaboration in the control of drying operations, the Laboratory continued to co-operate closely with the Inspection Branch in other ways. Assistance was provided in preparing information on the quality of tentative standard samples and tentative standard export samples for the meetings of the Committee on

Western Grain Standards held on October 3 and 31, 1952. Various individual samples were tested as an aid to grading. Two cargo samples, on which complaints were based, were subjected to comprehensive testing, but neither was found to be of inferior milling and baking quality. Supervision of equipment and technique for moisture testing was continued throughout the year.

Other Co-Operative Studies

The customary variety trials were continued for bread wheats, durum wheats, and barleys, in co-operation with other institutions working under the Associate Committees on Grain Research and Plant Breeding. The threat of the new race of stem rust, 15B, underlines the importance of this work.

The wet fall of 1951 caused much wheat to be left in the field (piled, in swath, or as standing grain) for spring threshing. In collaboration with the Universities of Alberta and Saskatchewan, opportunity was taken to make a survey of the comparative results of fall and spring threshing. Comparable sets of samples representing grain threshed dry in the fall, threshed damp in the fall and stored in granaries or in piles, and threshed in the spring after remaining in the field in swath or standing, were collected from about 100 farms. Results of this study indicated a clear advantage for fall threshing.

Certain new combinations and dosages of insecticides were studied for their effect on wheat quality in co-operation with the Stored Products Insect Laboratory of the Canada Department of Agriculture. The active principle in these insecticides is piperonyl butoxide, and the best carrier appears to be wheat dust. Assistance was also given to the Universities of Saskatchewan and Manitoba in studies of farm driers; this involved comparing the qualities of control and dried samples for both wheat and flax.

At the time of writing, a small study is in progress, with North American Cyanamid Limited, on the effect of sodium cyanamid on wheat quality when this chemical is used for "top-killing" in order to hasten maturity. This study has not yet been completed. Miscellaneous studies were also conducted for a number of other institutions in Canada and elsewhere.

Research

The volume of work required to control drying reduced research activities. Since little of the normal routine work could be postponed, it was necessary to borrow skilled staff from the research sections for the drying studies. Moreover, the milling and baking laboratories were fully engaged with work on drying for about six months, and this interfered with certain research projects.

The bread wheat section, under the leadership of Dr. I. Hlynka, continued to study the structure of dough by seeking more meaningful and precise measurements of changes in the physical properties of dough under experimentally imposed conditions. Such studies must eventually lead to hypotheses that explain observed behaviour of dough in terms of its molecular architecture as well as of the reactivity of its functional groups. An improved relaxometer for recording the rate of relaxation of stress in stretched dough balls was designed and built by Mr. J. R. Cunningham. Exploratory research has shown that this model meets current requirements. Studies of reproducibility, and of such basic factors as water absorption and rest period, have been completed in preparation for more definitive research.

Complementary studies with the Extensograph, which deal with another aspect of the same problem, have been extended by Dr. C. J. Dempster. These studies, which relate observed changes in physical properties to the reaction of chemicals, have been extended to include agents other than bromate that are known to improve dough performance in the bakeshop. Chemical studies of the disappearance of bromate from yeasted and unyeasted doughs have been continued to examine the relation between this disappearance and the bromate effect measured by the Extensograph; the influence of acidity (pH) has also been investigated. These related studies have served to introduce a new approach in the study of dough behaviour that may stimulate the formulation of a more adequate hypothesis describing the behaviour of proteins and other materials that occur in dough.

In the durum section, Dr. G. N. Irvine and his staff have continued studies of lipoxidase, the enzyme that is responsible for the disappearance of natural colouring matters during the processing of macaroni. The changes that occur in the rate of oxidation can be best explained by postulating that the enzyme occurs in a natural form and subsequently reverts to a more stable form. A rapid screening test has been developed for predicting macaroni-making behaviour of durum varieties in terms of original pigment and lipoxidase activity. This test is being used as an aid in breeding new durum varieties, resistant to rust but also of satisfactory quality for making macaroni. An exploratory survey has been completed of the range of lipoxidase activity in specimen varieties representing various classes of wheat in addition to the durums. A good start has also been made on studies of a second enzyme, catalase, which is also involved in oxidation reactions occurring in wheat products.

The malting section, under Dr. Meredith, has continued parallel studies of barley and malt gums and of the enzymes that attack them. The gums are considered to be cell-wall constituents, and the breaking down of these compounds during malting is believed to play a significant part in controlling the quality of the finished malt. Recent studies have been directed towards preparation of a nitrogen-free product and its fractionation into component parts. Following discovery in a bacterial preparation of an enzyme that attacked the gums, Mr. E. J. Bass is now investigating corresponding enzymes in barley and malt. Steady progress has also been made in developing improved laboratory malting equipment. The new steep tank is almost completed. Two models of the principal working parts of the germination chamber have been built, and the essentials of the general design have now been settled.

In the analytical section, Mr. D. K. Cunningham has carried the project involving comparative studies of "gluten" proteins of wheat, barley, rye, and oats, to a stage at which it can be discontinued pending developments in related areas. Studies of moisture meters were continued by Mr. I. Levi. The Tag-Heppenstall, Universal, Marconi and Halross meters have now been compared for high- and low-grade spring wheats, durum wheat, barley, oats, rye, and flax. The Halross meter stood first in precision for high-grade wheat, oats, rye and flax, second for durum wheat and barley, and fourth for low-grade wheat. The Marconi meter stood first in precision for low-grade wheat, durum wheat, and barley.

More detailed reports on these and other research investigations appear in the Annual Report of the Laboratory and in the scientific papers published from time to time.

Laboratory Facilities

Early in the year, the Laboratory took over an additional room adjoining the present suite on the ground floor. The sample room, which had been cramped for space, was moved to these new quarters and redesigned and equipped to facilitate the flow of work.

The old sample room was then converted into a baking laboratory by moving equipment and benching from the eighth floor and by installing the required electrical and plumbing services. The new baking laboratory now adjoins the mill room, and supervision and co-ordination of these two units is thus improved. At the same time, the mill room was redesigned to accommodate a new Allis-Chalmers mill, and to improve the air-conditioning by blocking the windows.

The original baking laboratory on the eighth floor was thus released to relieve congestion in the research laboratories. Three of the research sections were partially reallocated to make better use of the space. It was also possible to transfer the Hollerith punch-card equipment and other statistical equipment to space made available by transfer of flour storage to the ground floor.

All the changes were made smoothly in series, and with little loss of time, in spite of the pressure of routine work. This slight expansion and resulting reorganization is proving most satisfactory.

Staff

During 1952, Messrs. M. Golubchuk, T. A. Watts, and P. R. Templin, who undertook postgraduate research as students in this Laboratory, received M.Sc. degrees from the University of Manitoba. Mr. W. Bushuk is continuing his research with us towards an M.Sc.

The Laboratory lost the services of Mr. K. Hlynka, the senior member of the sub-professional staff, when he transferred to the Board's administrative branch. Mr. T. J. Reichert, another experienced technician also resigned. Moreover, there were six resignations from the lowest of the grades for assistant technicians. These losses were replaced by promotion and recruitment. While the staff situation was at times serious, especially in view of the extra work on drying, the writer believes that the present staff maintains a high calibre throughout.

Annual Report

A detailed report on the work of the Grain Research Laboratory has been prepared. In accordance with past practice, it is recommended that this report be published in full to put on record data on the quality of Canadian grains and progress reports on Laboratory investigations.

Respectfully submitted,

J. ANSEL ANDERSON,

Chief Chemist.

APPENDIX J

Operation of the Canadian Government Elevators

FORT WILLIAM, Ont.
December 6, 1952.

Board of Grain Commissioners,
Winnipeg, Man.

SIRS,—

I beg to submit the following report on the operations of the Canadian Government Elevators for the crop year 1951-52.

Elevators Operated

The interior terminal elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge continued to be operated during the year as public terminals.

The elevator at Prince Rupert was licensed as a public terminal. During October, 1951, a key staff was recruited from the interior elevators and operations commenced late that month receiving wheat for export. A total of nine cargoes of wheat were shipped through this terminal after which operations were changed to barley. The latter movement has continued and at this date twenty cargoes of barley have been shipped.

Elevator Leased

The elevator at Port Arthur continues to be operated by McCabe Grain Co. Ltd., under lease for a term of five years from August 1, 1949.

Tariff of Charges

The tariff of charges remained substantially those of the previous year except elevation which was increased from one cent (1c.) to one and one-eighth cents (1-1/8c.). Minor changes were effected in charges for drying.

Volume of Grain Handled

The volume of grain handled was considerably greater than the previous year, due largely to the operation of the Prince Rupert elevator.

All interior elevators operated drying equipment at capacity during the Winter and Spring. Approximately eleven million bushels of grain were dried at these elevators and over one million bushels at Prince Rupert.

Comparative figures of grain received for the two years 1950-51 and 1951-52 are as follows:

Elevator	1950-51	1951-52	Decrease	Increase
	bu.	bu.	bu.	bu.
Moose Jaw.....	4,442,285	2,685,525	1,756,760	—
Saskatoon.....	4,746,616	2,996,106	1,750,510	—
Calgary.....	2,256,312	3,889,280	—	1,632,968
Edmonton.....	1,671,705	3,759,060	—	2,087,355
Lethbridge.....	78,538	1,048,807	—	970,269
Prince Rupert.....	—	6,603,976	—	6,603,976
Totals.....	13,195,456	20,982,754	—	7,787,298

Shipments from all elevators during the year totalled 26,445,728 bushels. Stocks in store totalled 5,795,551 bushels as of July 31, 1952.

Receipts of rapeseed at Saskatoon amounted to 3,878,540 lbs. and shipments were 3,916,830 lbs. Indications are these figures will be exceeded in the 1952-53 season as receipts continue heavy to date.

Maintenance of Buildings and Equipment

The buildings, equipment and trackage at all points have been maintained and are in good operating condition.

At Port Arthur a new passenger elevator with modern safety features has been installed.

The conversion to gas-fired boilers at Lethbridge has been completed.

At Edmonton the drier heating coils and bases are being renewed. The boiler linings and battery wall were renewed, necessitated by normal wear and tear.

At Prince Rupert the balance of the wharf bracing has been completed and boom logs installed.

Staffs

Staffs have been maintained at the minimum of requirements. Substantial increases in temporary casual help were necessary on account of the extraordinary activity due to large volume of drying and handling of grain at all points. Extra shifts were required for the continuous drying operations during the winter.

Five permanent employees retired during the year for reasons of age or ill-health, the resultant vacancies being filled by promotion.

It is with sincere regret that we record the deaths of Mr. E. C. Millar, Superintendent of the Calgary elevator, Mr. J. J. Stafford, Superintendent of the Lethbridge elevator, and Mr. D. J. MacDonald, Shed Foreman at Edmonton, each of whom had given many years of efficient service.

Financial Results of Operations

Earnings from all sources during the fiscal year ended March 31, 1952, amounted to \$1,717,603.81, an increase of \$1,016,910.50 over the previous year.

Operating expenses were \$902,265.93, an increase of \$336,541.54 over the previous year.

The surplus of revenue over expenditure was \$815,337.88 compared with a surplus of \$134,968.92 the previous year.

As in former years, no provision was made in the financial statements to cover depreciation of plants and equipment, expenditures for maintenance of which are included in operating costs.

Respectfully submitted,

R. HETHERINGTON,
General Manager.

APPENDIX K

Report of Revenue and Expenditure

Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR ENDED MARCH 31, 1952

(a) WINNIPEG—

	\$ cts.	\$ cts.	\$ cts.
Revenue			
Executive Offices—Fines.....	29,404 00		1,560 00
License and Bonding Fees.....	67 00		
Less Fees Refunded.....		29,337 00	
Registration Fees.....	16,497 47		
Cancellation Fees.....	16,078 63		
Appeal Fees.....	1,662 00		
Less Fees Refunded.....	159 00		
Inspection Fees.....	479,664 64		
Overtime.....	824 95		
Splits—Cargo.....	357 70		
Samples Sold.....	12,387 73		
Sampling Fees.....	6,395 00		
Express Charges.....	3,328 00		
Weighing Fees.....	22,184 58		
Overtime.....	301 20		
Condition Reports.....	266 75		
	502,958 02		
	22,752 53		590,686 65
Expenditure			
Board and Executive Offices			
Salaries—			
Commission and Secretary.....	37,909 92		
Secretary's Office.....	29,415 94		
Rent.....	6,368 00		
Travelling Expenses.....	3,517 22		
General Expenses.....	5,532 89		
Printing and Stationery.....	2,541 54		
	85,285 51		
Assistant Commissioner's Office			
Salaries.....	7,500 00		
Rent.....	256 20		
Travelling Expenses.....	1,247 40		
General Expenses.....	148 00		
Printing and Stationery.....	14 36		
	9,165 96		
License and Bonding			
Salaries.....	19,728 23		
Rent.....	1,803 28		
General Expenses.....	479 87		
Printing and Stationery.....	970 64		
	22,982 02		
Accounts			
Salaries.....	13,288 04		
General Expenses.....	443 25		
Printing and Stationery.....	438 94		
	14,170 23		
Registration			
Salaries.....	20,652 01		
Rent.....	2,048 30		
General Expenses.....	620 99		
Printing and Stationery.....	317 98		
	23,639 28		
Grain Research Laboratory			
Salaries.....	106,377 90		
Rent.....	14,465 80		
Travelling Expenses.....	1,823 62		
General Expenses.....	30,622 63		
Printing and Stationery.....	3,253 04		
	156,542 99		
Grain Appeal Tribunal			
Salaries.....	5,400 00		
Rent.....	540 40		
General Expenses.....	1,229 54		
Printing and Stationery.....	20 22		
	7,190 16		

Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR ENDED MARCH 31, 1952—continued

(a) WINNIPEG—Concluded				
Expenditure—Concluded				
<i>Grain Standard Committee</i>	\$	cts.	\$	cts.
Travelling Expenses.....	2,790	53		
General Expenses.....	1,900	00		
			4,690	53
<i>Inspection Branch</i>				
Salaries.....	452,623	34		
Rent.....	23,357	90		
Travelling Expenses.....	1,341	25		
General Expenses.....	22,831	89		
Printing and Stationery.....	8,442	33		
			508,596	71
<i>Weighing Branch</i>				
Salaries.....	41,006	69		
Rent.....	1,920	20		
Travelling Expenses.....	126	00		
General Expenses.....	730	23		
Printing and Stationery.....	117	30		
			43,900	42
				876,163 81
(b) CHURCHILL—				
Revenue				
<i>Inspection Fees.</i>			24,875	19
Overtime.....	1,254	65		
			26,129	84
<i>Weighing Fees.</i>			12,437	98
Overtime.....	900	80		
			13,338	78
				39,468 62
Expenditure				
<i>Inspection Branch</i>				
Salaries.....	11,222	68		
Travelling Expenses.....	4,992	49		
General Expenses.....	57	91		
			16,273	08
<i>Weighing Branch</i>				
Salaries.....	5,970	85		
Travelling Expenses.....	3,044	35		
General Expenses.....	4	50		
			9,019	70
				25,292 78
(c) KEEWATIN—				
Revenue				
<i>Inspection Fees.</i>			5,304	88
Overtime.....	106	15		
			5,411	03
<i>Weighing Fees.</i>			6,463	09
Overtime.....	139	40		
			6,602	49
				12,013 52
Expenditure				
<i>Inspection Branch</i>				
Salaries.....	5,426	63		
Printing and Stationery.....	27	60		
			5,454	23
<i>Weighing Branch</i>				
Salaries.....	6,594	65		
General Expenses.....	65	44		
			6,660	09
				12,114 32
(d) SASKATOON—				
Revenue				
<i>Inspection Fees.</i>			21,844	03
Overtime.....	1,226	40		
Samples Sold.....	679	68		
			23,750	11
<i>Weighing Fees.</i>			14,494	52
Overtime.....	364	80		
			14,859	32
				38,609 43
Expenditure				
<i>Assistant Commissioner's Office</i>				
Salaries.....	9,580	34		
Travelling Expenses.....	2,098	30		
General Expenses.....	508	46		
Printing and Stationery.....	31	50		
			12,218	60

**Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDED MARCH 31, 1952—continued**

(d) SASKATOON— <i>Concluded</i>	\$	cts.	\$	cts.	\$	cts.
<i>Expenditure—Concluded</i>						
<i>Inspection Branch</i>						
Salaries.....	31,035	90				
Rent.....	877	00				
General Expenses.....	594	41				
Printing and Stationery.....	366	85				
			32,874	16		
<i>Weighing Branch</i>						
Salaries.....	18,767	34				
Travelling Expenses.....	172	65				
General Expenses.....	25	22				
			18,965	21		
					64,057	97
(e) MOOSE JAW—						
<i>Revenue</i>						
Inspection Fees.....	17,924	69				
Overtime.....	1,218	90				
Samples Sold.....	477	71				
			19,621	30		
Weighing Fees.....	9,236	95				
Overtime.....	1,298	00				
			10,534	95		
<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....	27,596	52				
Rent.....	1,125	00				
General Expenses.....	865	22				
Printing and Stationery.....	238	69				
			29,825	43		
<i>Weighing Branch</i>						
Salaries.....	16,033	00				
General Expenses.....	25	50				
			16,058	50		
					45,883	93
(f) MEDICINE HAT—						
<i>Revenue</i>						
Inspection Fees.....	9,941	41				
Overtime.....	22	40				
Samples Sold.....	484	40				
			10,448	21		
Weighing Fees.....	10,080	99				
Overtime.....	97	20				
			10,178	19		
<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....	9,566	92				
Rent.....	841	00				
General Expenses.....	142	56				
Printing and Stationery.....	91	83				
			10,642	31		
<i>Weighing Branch</i>						
Salaries.....	10,192	59				
General Expenses.....	8	50				
			10,201	09		
					20,843	40
(g) LETHBRIDGE—						
<i>Revenue</i>						
Inspection Fees.....	4,210	30				
Overtime.....	729	90				
Samples Sold.....	397	26				
			5,337	46		
Weighing Fees.....	1,383	33				
Overtime.....	117	80				
			1,501	13		
					6,838	59
<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....	10,077	86				
General Expenses.....	111	06				
Printing and Stationery.....	23	28				
			10,212	20		
<i>Weighing Branch</i>						
Salaries.....	4,355	74				
General Expenses.....	18	20				
			4,373	94		
					14,586	14

**Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDED MARCH 31, 1952—continued**

(h) CALGARY—

<i>Revenue</i>	\$	cts.	\$	cts.	\$	cts.
Inspection Fees.....	99,522	78				
Samples Sold.....	2,650	11				
Express Charges.....	532	00				
			102,704	89		
Weighing Fees.....	18,734	34				
Overtime.....	1,125	20				
			19,859	54		
Appeal Fees.....	2,706	00				
Less Fees Refunded.....	456	00				
			2,250	00		
						124,814 43
<i>Expenditure</i>						
<i>Assistant Commissioner's Office</i>						
Salaries.....	10,135	32				
Rent.....	828	00				
Travelling Expenses.....	2,382	64				
General Expenses.....	326	25				
Printing and Stationery.....	11	92				
						13,684 13
<i>Inspection Branch</i>						
Salaries.....	66,152	48				
Rent.....	3,000	00				
Travelling Expenses.....	45	00				
General Expenses.....	3,132	93				
Printing and Stationery.....	1,371	22				
						73,701 63
<i>Weighing Branch</i>						
Salaries.....	32,112	50				
Rent.....	314	04				
General Expenses.....	287	20				
						32,713 74
<i>Grain Appeal Board</i>						
Salaries.....	5,088	00				
Rent.....	420	00				
General Expense.....	2,004	81				
Printing and Stationery.....	12	07				
						7,524 88
						127,624 38

(i) EDMONTON—

<i>Revenue</i>	\$	cts.	\$	cts.	\$	cts.
Inspection Fees.....	83,957	62				
Overtime.....	969	00				
Samples Sold.....	1,689	74				
Express Charges.....	513	25				
Weighing Fees.....	8,196	99				
Overtime.....	291	80				
Appeal Fees.....	1,749	00				
Less Fees Refunded.....	246	00				
						1,503 00
						97,121 40
<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....	74,106	41				
Rent.....	6,055	00				
Travelling Expenses.....	8	00				
General Expenses.....	3,560	89				
Printing and Stationery.....	1,065	57				
						84,795 87
<i>Weighing Branch</i>						
Salaries.....	16,499	45				
General Expenses.....	109	95				
						16,609 40
<i>Grain Appeal Board</i>						
Salaries.....	5,872	00				
Rent.....	900	00				
General Expenses.....	1,249	08				
Printing and Stationery.....	1	50				
						8,022 58
						109,427 85

**Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDED MARCH 31, 1952—continued**

(j) VANCOUVER—

	\$ cts.	\$ cts.	\$ cts.
Revenue			
Inspection Fees.....	230,712 63		
Overtime.....	7,054 55		
Splits—Cargo.....	37 20		
Samples Sold.....	8,702 90		
Weighing Fees.....	186,011 36		
Overtime.....	7,294 85		
Condition Reports.....	0 25		
Registration Fees.....	4,563 88		
Cancellation Fees.....	4,242 19		
		193,306 46	
		8,806 07	
		448,619 81	
Expenditure			
<i>Inspection Branch</i>			
Salaries.....	128,480 67		
Rent.....	6,339 00		
Travelling Expenses.....	114 05		
General Expenses.....	3,406 34		
Printing and Stationery.....	997 44		
<i>Weighing Branch</i>			
Salaries.....	130,071 59		
Rent.....	2,439 00		
Travelling Expenses.....	642 94		
General Expenses.....	1,497 12		
Printing and Stationery.....	612 60		
		135,263 25	
<i>Registration Branch</i>			
Salaries.....	3,550 61		
Rent.....	1,632 00		
General Expenses.....	259 01		
Printing and Stationery.....	12 51		
		5,454 13	
		280,054 88	

(k) FORT WILLIAM—

	\$ cts.	\$ cts.	\$ cts.
Revenue			
Inspection Fees.....	788,645 10		
Overtime.....	17,941 40		
Splits—Cargo.....	1,734 80		
Samples Sold.....	20,404 17		
Weighing Fees.....	613,333 98		
Overtime.....	15,418 45		
Jury Fees.....	24 00		
		628,776 43	
		1,457,501 90	
Expenditure			
<i>Assistant Commissioner's Office</i>			
Salaries.....	1,316 00		
Rent.....	208 00		
General Expenses.....	31 44		
<i>Inspection Branch</i>			
Salaries.....	569,751 49		
Rent.....	15,567 80		
Travelling Expenses.....	3,433 73		
General Expenses.....	14,476 53		
Printing and Stationery.....	7,421 98		
		610,651 53	
<i>Weighing Branch</i>			
Salaries.....	410,454 57		
Rent.....	3,164 80		
Travelling Expenses.....	12,955 15		
General Expenses.....	4,530 03		
Printing and Stationery.....	4,282 12		
		435,386 67	
<i>Statistical Branch</i>			
Salaries.....	52,017 31		
Rent.....	5,371 00		
Travelling Expense.....	524 75		
General Expenses.....	2,756 64		
Printing and Stationery.....	4,255 46		
		64,925 16	
		1,112,518 80	

**Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDED MARCH 31, 1952—Continued**

(l) TORONTO—

	\$	cts.	\$	cts.	\$	cts.
<i>Revenue</i>						
Inspection Fees.....	7,194	08				
Overtime.....	339	30				
Splits—Cargo.....	3	40				
Samples Sold.....	404	61				
Sampling Fees.....	354	62				
			8,296	01		
						8,296 01

Expenditure

Inspection Branch

Salaries.....	8,272	37				
Rent.....	1,200	00				
Travelling Expenses.....	423	55				
General Expenses.....	429	31				
Printing and Stationery.....	88	32				
			10,413	85		
						10,413 85

(m) MONTREAL—

Revenue

Inspection Fees.....	10,546	12				
Overtime.....	635	55				
Splits—Cargo.....	908	00				
Samples Sold.....	524	70				
Sampling Fees.....	2,999	08				
Registration Fees.....	4,535	14				
Cancellation Fees.....	4,461	68				
			8,996	82		
						8,996 82

Expenditure

Inspection Branch

Salaries.....	66,943	44				
Rent.....	3,348	00				
Travelling Expenses.....	6,464	57				
General Expenses.....	1,354	07				
Printing and Stationery.....	381	30				
						78,491 38

Weighing Branch

Salaries.....	3,766	00				
Rent.....	723	96				
Travelling Expenses.....	24	30				
General Expenses.....	196	19				
Printing and Stationery.....	360	43				
						5,070 88

Registration

Salaries.....	8,352	28				
Rent.....	828	00				
Travelling Expenses.....	240	25				
General Expenses.....	385	50				
Printing and Stationery.....	107	82				
						9,913 85

93,476 11

(n) CHATHAM—

Revenue

Inspection Fees.....	22,063	32				
Overtime.....	206	95				
Samples Sold.....	645	39				
Sampling Fees.....	24,612	41				
						47,528 07

47,528 07

Expenditure

Inspection Branch

Salaries.....	27,396	46				
Rent.....	1,140	00				
Travelling Expenses.....	14,334	52				
General Expenses.....	2,035	36				
Printing and Stationery.....	143	86				
						45,050 20

45,050 20

Table K-1.—STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR ENDED MARCH 31, 1952—concluded

(o) PRINCE RUPERT—						
<i>Revenue</i>						
Inspection Fees.....				5,063	78	
Overtime.....				242	70	
Samples Sold.....				41	37	
						5,347 85
Weighing Fees.....				3,952	94	
Overtime.....				766	35	
						4,719 29
						10,067 14

<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....				917	05	
Travelling Expenses.....				2,110	22	
General Expenses.....				61	92	
						3,089 19
<i>Weighing Branch</i>						
Salaries.....				766	35	
Travelling Expenses.....				3,286	12	
General Expenses.....				20	12	
						4,072 59
						7,161 78

(p) KENORA—						
<i>Revenue</i>						
Weighing fees.....				773	71	
<i>Expenditure</i>						
Weighing—Salaries.....				773	71	
						773 71
						773 71
(q) DULUTH—						
<i>Revenue</i>						
Inspection—Overtime.....				556	57	
<i>Expenditure</i>						
<i>Inspection Branch</i>						
Salaries.....				2,847	77	
Travelling Expenses.....				2,396	04	
General Expenses.....				30	25	
						5,274 06
						5,274 06

TABLE K-2
Summary of Operation by Branches

	Inspection	Weighing	Appeal Boards	Registration	License and Bonding	Statistical	Accounting	Research Laboratory	Grain Standards Committee	Administration	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
REVENUE											
Fees.....	1,811,470 57	907,284 76	5,256 00	50,378 99	29,337 00	—	—	—	—	—	2,803,727 32
Overtime.....	33,329 67	28,115 85	—	—	—	—	—	—	—	—	61,445 52
Sampling.....	34,361 11	—	—	—	—	—	—	—	—	—	34,361 11
Express Charges.....	4,373 25	—	—	—	—	—	—	—	—	—	4,373 25
Cargo-Splits.....	3,041 10	—	—	—	—	—	—	—	—	—	3,041 10
Samples Sold.....	49,489 77	—	—	—	—	—	—	—	—	—	49,489 77
Condition Reports.....	—	267 00	—	—	—	—	—	—	—	—	267 00
Jury Fees.....	—	24 00	—	—	—	—	—	—	—	—	24 00
Fines.....	—	—	—	—	—	—	—	—	—	—	—
Totals.....	1,936,065 47	925,691 61	5,256 00	50,378 99	29,337 00	—	—	—	—	—	2,958,289 07

TABLE K-3
Statement Showing Revenue and Expenditure by Points and Branches

	Inspection	Weighing	Appeal Boards	Registration	License and Bonding	Statistical	Accounting	Research Laboratory	Grain Standards Committee	Administration	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
REVENUE											
Winnipeg.....	502,958 02	22,752 53	1,503 00	32,756 10	29,337 00	—	—	—	—	1,560 00	590,686 05
Churchill.....	26,129 84	13,338 78	—	—	—	—	—	—	—	—	39,468 62
Keewatin.....	5,411 03	6,602 49	—	—	—	—	—	—	—	—	12,013 52
Saskatoon.....	23,750 11	14,839 32	—	—	—	—	—	—	—	—	38,609 43
Moose Jaw.....	19,621 30	10,534 95	—	—	—	—	—	—	—	—	30,156 25
Medicine Hat.....	10,448 21	10,178 19	—	—	—	—	—	—	—	—	20,626 40
Lethbridge.....	5,337 46	1,501 13	—	—	—	—	—	—	—	—	6,838 59
Calgary.....	102,704 89	19,859 54	2,250 00	—	—	—	—	—	—	—	124,814 43
Edmonton.....	87,129 61	8,488 79	1,503 00	—	—	—	—	—	—	—	97,121 40
Vancouver.....	246,507 28	193,306 46	—	8,806 07	—	—	—	—	—	—	448,619 81
Fort William.....	828,725 47	628,776 43	—	—	—	—	—	—	—	—	1,457,501 90
Toronto.....	8,296 01	—	—	—	—	—	—	—	—	—	8,296 01
Montreal.....	15,613 75	—	—	8,996 82	—	—	—	—	—	—	24,610 57
Chatham.....	47,528 07	—	—	—	—	—	—	—	—	—	47,528 07
Kenora.....	—	773 71	—	—	—	—	—	—	—	—	773 71
Prince Rupert.....	5,347 85	4,719 29	—	—	—	—	—	—	—	—	10,067 14
Duluth.....	556 57	—	—	—	—	—	—	—	—	—	556 57
Totals.....	1,326,065 47	935,691 61	5,256 00	50,378 99	29,337 00	—	—	—	—	1,560 00	2,958,289 07

APPENDIX L

Regulations

Regulations made in accordance with the provisions of
The Canada Grain Act, in effect December 31, 1952

Regulation

No.

- 1 Registration and Cancellation of Terminal Elevator Warehouse Receipts.
- 2 Registration and Cancellation of Eastern Warehouse Receipts and Transfer Receipts.
- 3 Construction of Elevators.
- 4 Cleaning Grain and Bins, Terminal Elevators.
- 5 Off Grades for Western Grain.
- 6 Off Grades for Eastern Grain.
- 7 Grades of Screenings.
- 8 Inspection of Samples Taken other than at an Inspection Point.
- 9 Appeals from Inspection Officers to Grain Appeal Tribunals.
- 10 Delivery of Grain to Ocean Vessels at Montreal, Quebec.
- 11 Delivery of Grain to Ocean Vessels at West Saint John, N.B.
- 12 Delivery of Grain to Ocean Vessels at East Saint John, N.B.
- 13 Delivery of Grain to Ocean Vessels at Halifax, N.S.
- 14 Enforcement of Lien by Sale of Grain.
- 15 Drying of Grain.
- 16 Fees.
- 17 Records, Reports and Returns.
- 18 Procedure, Country Elevators.
- 19 Receipt for Grain Delivered to Private Country Elevators and Mill Elevators.
- 20 Maximum Tariff of Charges, Eastern Elevators.
- 21 Maximum Tariff of Charges and Shrinkage Allowance, Country Elevators.
- 22 Maximum Tariff of Charges, Terminal Elevators.
- 23 Applications for Licences and Terms and Conditions under which Licences are Issued.
- 24 Receipt for Storage in Transit for Reshipment out of Canada of Grain Grown Outside Canada.

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